# FEDCO BULBS

## 2011

See color photos
and order online
**www.fedcoseeds.com**

Join us at our Expanded
**Fall Bulb & Plant Sale**
Friday, October 14, 2011
9am-3pm

In addition to surplus flowerbulbs
at discount prices,
we'll have an assortment of
trees, fruiting plants, and woody shrubs.
• hard-to-find plants • potted plants
• plants not offered in Fedco Trees catalog
• plants that don't handle well as bare-root

Check our website after 9/15/11 for details.

**SEED GARLIC**
See pages 2 & 3

**Welcome** to Fedco's 27th year. We offer over 250 varieties of flowerbulbs, seed garlic and perennials as well as gift kits, planters, glasses, supplies and tools.

We highlight items we are confident you will want to add to your gardens. This year we have more **Maine Grown** listings from local growers, including 4 more narcissus, 7 daylilies, and 3 garlics. Among the **NEW!** and **BACK!** items are narcissus, peonies, irises, numerous specialty bulbs and eight tulips.

Our ✦¢✦ symbol is used to highlight especially good deals, although we have lowered many other prices this year as well, due to a favorable dollar and importers passing on price reductions. Reflecting higher postal and UPS rates, the minimum shipping charge goes from $5 to $6. Our shipping fees remain among the lowest in the trade and, when coupled with our volume discounts, savings can be substantial.

Our pickup day this year will be an expanded event, with Fedco Trees joining in. We'll be at the new Fedco Trees warehouse at 213 Hinckley Rd, Clinton, Maine, on Friday, October 14, from 9 am until 3 pm.

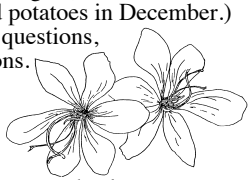
Our high-quality bulbs are farm grown or nursery propagated from commercial and organic stock and, unlike those from many other suppliers, nearly all are topsize. Larger bulbs result in larger flowers and more vigorous plants. When you compare our prices with stores and other catalogs, please remember to factor in bulb sizes, shipping charges and our volume discounts.

Fedco Bulbs is a division of Fedco Seeds Inc, a consumer/worker cooperative. Let us know if you'd like our other catalogs. (Trees in October; Seeds, supplies and seed potatoes in December.)

Write to us with your questions, comments and suggestions.

Thank you.

Kip Penney



Please keep this catalog, as we send only one per year. General planting instructions and a chart showing specific depths and spacing are on pages 10–11. Other plant requirements are given in the descriptions and on our website so you can plan your plantings before you receive your order.

**See page 20 for complete ordering information.**

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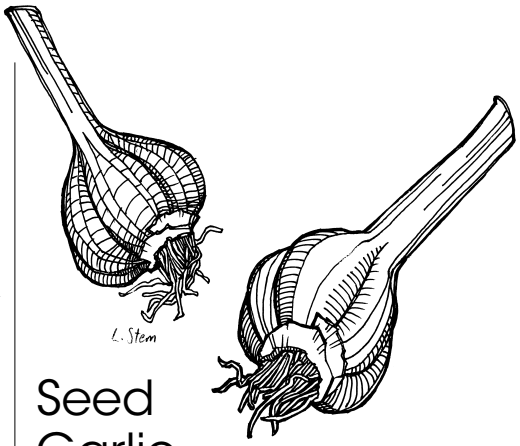



# Seed Garlic

*Allium sativum* subs. *ophioscorodon*

All the garlic varieties this year are hardneck types, which are hardy for our cold New England winters. These hardnecks have greater depth of real garlic flavor than the softnecks typical of Gilroy. Though the stiff neck makes them unsuitable for braiding, they can be tied and hung in attractive bundles. Harvest scapes by mid-July to add to salads. Topset bulbils can be used for replanting or for cooking. Z3-8.

### Porcelain-type Garlic

Produce 4-6 very large symmetrical cloves with tight white skins making excellent storage. Huge cloves are wonderful in the kitchen, but also mean fewer cloves per pound. Scapes form arches and curls and loose coils.

**Georgian Fire - Organic** - We have been wanting a local supply of this fiery garlic for years. Its pungent taste is loved by garlic aficionados and is excellent for heating up fresh salsas and sauces. Sizable bulbs with blushed inner skins store well. 20-30 cloves/lb. MOFGA-certified. *Limited supply*. **Maine Grown. BACK!**

*2221: 3 bulbs for $12.00 2222: 2# for $39.00*
*2223: 5# for $80.00*

**German Extra-Hardy** - Selected for size. Big bulbs yield huge cloves, each equivalent to about two or three cloves of supermarket garlic. Perfect for production pesto-making or avid garlic fans. White outer skin, red inner skins. Excellent storage. May be the same as German Stiffneck and German White. 20-30 cloves/lb. Eco-Grown. **Maine Grown. BACK!**

*2231: 3 bulbs for $12.00 2232: 2# for $39.00*
*2233: 5# for $80.00 2234: 20# for $209.00*

**Music - Organic** - Similar to German Extra Hardy, with large succulent cloves. Our supply comes from Wellspring Farm in central New York state, where folks have been growing NOFA-certified organic since 1991 and are founding members of the Garlic Seed Foundation. 20-30 cloves/lb.

*2241: 3 bulbs for $13.00 2242: 2# for $39.00*
*2243: 5# for $80.00 2244: 20# for $209.00*

### Rocambole-type Garlic

Produce 6-12 large cloves with tan, brown or reddish loose skins which are very easily peeled. Slightly shorter shelf life due to loose skins. Generally, stores easily until February, and if cured well, can store months longer. Scapes form tight coils.

**Phillips** - **Organic** - Molly Thorkildsen and Will Bonsall obtained this vigorous Rocambole from Raymond Rowe of Phillips, ME. Each bulb contains 6-8 large cloves with a milder flavor than Russian Red. The tan exterior skins and purple mottled clove coverings are substantial, making this an excellent keeper. Slow to emerge in spring, so don't be alarmed when these take an extra two weeks to appear. They catch up quickly and mature at the same time as other varieties. 40-50 cloves/lb. MOFGA-certified. *Order early; limited supply*. **Maine Grown. BACK!**

*2251: 3 bulbs for $12.00 2252: 2# for $39.00*

**Russian Red** - **Organic** - Named for its mottled burgundy skin, said to have been brought to the Pacific Northwest by Russian immigrants in the early 1900s. Forms a ring of 5-8 large plump cloves around a central stalk. Keeps well for over six months. MOFGA-certified. 50-60 cloves/lb. **Maine Grown.**

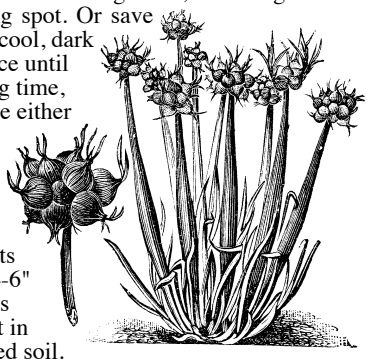
*2261: 3 bulbs for $13.00 2262: 2# for $39.00*
*2263: 5# for $80.00 2264: 20# for $209.00*

***Growing Great Garlic*** by Ron L. Engeland, 213 pages, 6x9, softcover. If garlic is one of your passions, you'll enjoy this book. An expert who has grown and sold over 100 strains, Engeland has written the definitive guide to growing garlic. Covers varietal differences, fascinating history, and in-depth information on growing, harvesting, storing and marketing.

*2211: $17.50*

## Egyptian Walking Onions - Organic

*Allium proliferum* - Also called Walking Onions, Top-setting Onions or Tree Onions, these are an excellent addition to any permaculture garden, as they have a number of harvest options. Edible bulblets form on top of the plant in place of flowers; individual bulblets range 3/16-1/2" in diameter and form a clump 2-2 1/2" across. In spring, harvest bulbs with greens to use as scallions. In summer, snip off bulblets or dig bulbs (3/8-1" across) to use like onions, shallots or garlic. The bulbils also do their own planting if you leave them on the plant until their weight bends the stalk to the ground, "walking" to the next planting spot. Or save topsets in a cool, dark and airy place until next planting time, which can be either just before the ground freezes or the following spring. Plant bulblets 1-2" deep, 4-6" apart in rows 10-12" apart in well-prepared soil.



One garden writer reports that just 5 bulbils planted one fall led to more than 550 two summers later. The second summer after initial planting, they can become perennial and self sowing. Approximately 5 large bulbils per ounce, 70-90 bulbils per pound. Z3-8. 18-24". Iowa DALS certified organic.

*2271: 5 for $4.25 2272: 10 for $7.75*
*2273: 25 for $18.50 2274: 100 for $65.00*

### Basics of Growing Garlic

Prepare a well-groomed seedbed of rich compost or composted manure. Break the bulb into individual cloves.

Plant cloves 5-6" deep and 4-6" apart, mid to late October, to early November, before the ground freezes. (Time frames are for central Maine, Zone 4.)

Mulch with 4-6" of hay, leaves or straw.

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In spring, move the mulch away from around the emerging garlic tips to free up any spears struggling to pierce through, then replace it close to the stems.

Top dress or foliar feed, and provide adequate moisture during the growing season to encourage the formation of larger bulbs.

Cut off the "flower" stalks, known as scapes, as they curl around; eat them, compost them, or dry them for winter arrangements. If you leave the stalks on, the underground bulbs may be smaller, but you can harvest the top-set bulbils. Eat them or plant them in fall for fresh greens the next spring or new full-size bulbs in two years.

Poke around a few garlic bulbs in late July or early August to check growth. Pull when bottom leaves are yellow, 5-6 green leaves remain, before cloves begin to separate. Cure in a shaded airy place, 60-70°, until dry. You may need to dehumidify air during a very wet season. Do not field-cure.

Trim, clean, store in a cool dry place and enjoy through the winter.

### Roberta Bailey's Turbo-Charged Blue-Ribbon Garlic Growing Tips

Big bulbs need space for roots, high levels of nitrogen, sufficient trace minerals, and consistent moisture levels.

The roots of garlic spread 3-4" on either side of the bulb. Plant the cloves 10" apart to optimize root growth and nutrient uptake. Space rows 1' apart. Push individual cloves down about 1 1/2", so the tip of the clove is just at the soil surface.

Cover the bed with 2-3" of well-rotted compost. Then add nitrogen sources such as a heavy application of composted manure, or a mix of soybean meal (5#/100 sq ft) with either alfalfa meal (3#/100 sq ft) or fish meal (3#/100 sq ft). Fish and alfalfa meals feed the fall root growth; the soybean meal breaks down slowly and is available the following spring.

Azomite (2#/100 sq ft) supplies trace minerals critical to increasing the size of the bulbs. Kelp meal (1#/100 sq ft) is an option which supplies even more minerals.

Mulch provides protection from frost heaving, and weed protection and moisture regulation in summer. Apply mulch after fall planting, and leave mulch on throughout the spring and summer.

Water crop during prolonged dry spells.

In mid-June, just as the garlic begins to form heads, sprinkle 1 Tablespoon of blood meal around each stalk, to give a charge of nitrogen just when it is needed.

# Indoor Bulbs lift our color-deprived spirits during long northern winters. More satisfying than cut flowers because we can watch as the foliage grows. Enjoy the anticipation as the flower buds form, swell and finally burst open.

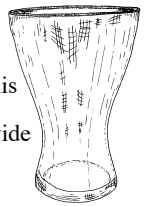
Many people stagger their indoor plantings to prolong the season. If you don't plant the bulbs right away, keep them dry and store in a cool dark place.

For instructions on forcing other bulbs for indoors, see page 11.

## Amaryllis - *Hippeastrum* - grows outdoors in Zones 9-10 and originates from Central and South America. Those of us in colder climes can plant these magnificent hybrid beauties indoors and enjoy blooms throughout the winter. Remove the pollen-bearing anthers for a longer bloom time and a neater tabletop. Easy to grow, they will return year after year with simple care. 2-3 stalks per bulb.

Brazilian amaryllis are harvested nearly a month before those from Holland. Therefore, they tend to bloom before the early winter holidays, while Dutch amaryllis flower in mid-late winter. To help you plan a continuous winter floral display, all the Brazilian amaryllis are clearly marked.

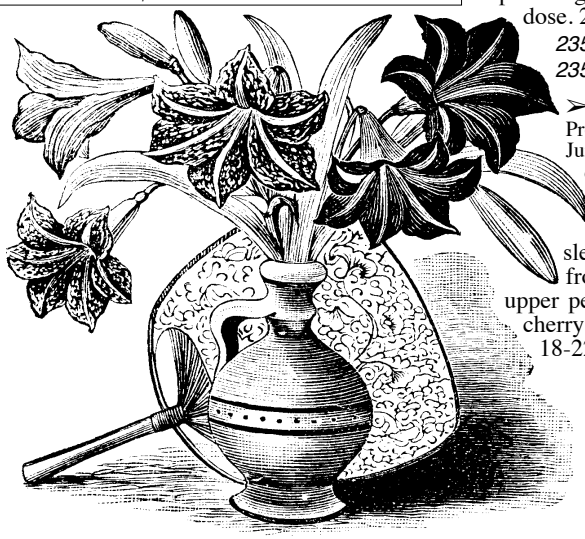
**Amaryllis Glass** - Clear vase is reminiscent of an oversized Pilsener glass. Its 5 1/2" diameter mouth will hold the largest amaryllis bulb. Heavy glass bottom helps prevent tip-overs. 7 3/4" tall, 3 3/4" wide at base. Made in USA. **NEW!**



*2281: 1 for $9.75*
*2282: 2 for $18.75*
*2283: 3 for $26.00  2284: 6 for $46.00*

**Amaryllis Planter** - Sturdy tin planter roomy enough for planting 2 or 3 amaryllis, or 5-8 paperwhites. Sienna colored with an antiqued bronzy finish, 5 1/4" tall, 6 3/4x12 1/4" rectangular planter. Flared rim forms a hand-hold for easy carrying. Pictured on our website.

*2291: 1 for $11.00  2292: 2 for $21.00*
*2293: 3 for $29.00*



➢ **JUMBO AMARYLLIS** - Jumbo bulbs produce 2 or more stalks bearing 3-5 blooms per stem. 28-30cm.

**'Apple Blossom'** - A classically graceful beauty, white, lightly brushed with streaks of pink. From Brazil. 18-20".

*2301: 1 for $9.00*
*2302: 2 for $17.00*
*2303: 3 for $23.50*
*2304: 6 for $39.00*

**'LaForest Morton'** - Solid deep pink blooms develop lavender undertones as they mature. Three or four flowers per stem stand tall above strapping green leaves. 20-24".

*2311: 1 for $11.50  2312: 2 for $19.50*
*2313: 3 for $31.00  2314: 6 for $55.00*

**'Red Lion'** - Big bold bright red. The classic red amaryllis. From Brazil, will bloom *before* the winter holidays. 16". ✦¢✦

*2321: 1 for $9.00  2322: 2 for $17.00*
*2323: 3 for $23.50  2324: 6 for $39.00*

**'Royal Velvet'** - Rich maroon red flower entices you to peer into its velvety near-black center. My favorite. 20-25".

*2331: 1 for $11.75  2332: 2 for $20.00*
*2333: 3 for $32.00  2334: 6 for $56.00*

➢ **DOUBLE AMARYLLIS** 28-30cm.

**'Double Dragon'** - Full-flowered double red packs an incredible amount of color into its relatively short 14" flower stalks. From Brazil.

*2341: 1 for $9.75  2342: 2 for $18.00*
*2343: 3 for $25.00  2344: 6 for $43.00*

**'Pasadena'** - Cherry red with a white starburst boldly marking the center. Showy ruffle-edged petals with a slight feathering of white on the petal edges. And being a double you get twice the dose. 20-24".

*2351: 1 for $11.50  2352: 2 for $19.50*
*2353: 3 for $31.00  2354: 6 for $55.00*

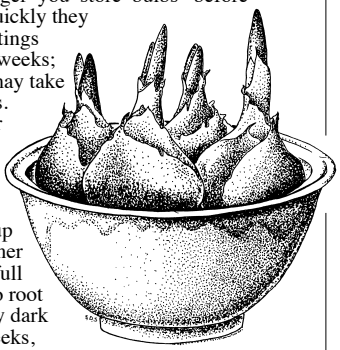
➢ **MINIATURE AMARYLLIS** - Produce 2-3 stems nearly as tall as the Dutch Jumbos, but the 3-4 flowers per stem are more delicate at 3-4" across. Parentage from *H. cybister*, from Bolivia. 24-26cm.

**'La Paz'** - Graceful and ethereal, the slender petals of this spider-type range from a streaked & spotted rose red on upper petals to pale green on lower petals with cherry red centers and long luminous anthers. 18-22".

*2361: 1 for $11.00*
*2362: 2 for $19.00*
*2363: 3 for $29.50*
*2364: 6 for $54.00*

## **Paperwhites** or **Indoor Narcissus** - *Narcissus tazetta* -

Tall slender stems bear highly fragrant masses of delicate flowers. Must be grown indoors in Zones 1-6. 'Ziva' is ready to grow, requiring no cold period; all the others will bloom more reliably if allowed to root in a cool place. The longer you store bulbs before planting, the more quickly they bloom. October plantings bloom in four to six weeks; February plantings may take as little as two weeks.



Plant in pebbles or marbles, keeping bulbs above the waterline, or plant in soil for longer-lasting flowers. Group 5-8 bulbs in a container 6" in diameter for a full appearance. Allow to root in a cool (45-50°) dry dark place, for about 3 weeks, checking water level often. Some plantings may need staking as they flower.

**'Chinese Sacred Lily'** - *N. t.* var. *orientalis* - White petals with a yellow cup. Takes longer to root than other varieties and has fewer flowers, but its wonderful sweet fragrance is worth it. You may have seen it on the 2010 Year of the Tiger Lunar New Year postage stamp. 16-20". 15-16cm.

*2371: 5 for $5.75* *2372: 10 for $9.50*
*2373: 25 for $22.00* *2374: 100 for $76.00*

### Plant Amaryllis between October and May for flowering between December and June

If you do not plant your bulb immediately, store it in a dry dark cool area (45-50°F.)

Before planting, place the bulb and its dangling roots in lukewarm water for several hours. Plant in a pot slightly larger than the diameter of the bulb. Rocks added to the bottom of the pot will decrease tippiness and improve drainage. Cover the bulb to the neck with nutritious potting soil or compost. Press the soil firmly around the bulb. Don't overfill the pot; leave enough room for watering.

In the first few weeks, water sparingly. After the leaves and bud develop, water more frequently. Direct sunlight and warm temperatures encourage proper growth. Lower light and temperature results in taller stems, whereas greater light and temperature promotes shorter stems. Amaryllis generally bloom 6 to 8 weeks after planting; the flowers last nearly 2 weeks.

Cut the stem close to the bulb after the flower fades. The long strap-like evergreen leaves will continue to grow, and could take regular feeding to maintain bulb size and strength. Once the weather warms up, the plant can be moved outdoors. In mid to late summer, stop watering and let the leaves die back (or let the first frost kill them off). Before first hard frost, bring potted plants back inside and place in a cool dry dark place for 8 to 12 weeks to simulate dormancy.

Bring the bulb back to room temperature, resume watering, and its flowering cycle will begin again.

**'Constantinople'** - Highly doubled form of 'Chinese Sacred Lily', with clusters of pure white petals and very ruffled golden to orange cups. In 1730, Robert Furber listed 'Double Narcissus of Constantinople' in his *Twelve Months of Flowers*. Fragrant. 12-14", 15-16 cm.

*2381: 5 for $5.75* *2382: 10 for $9.50*
*2383: 25 for $22.00* *2384: 100 for $77.00*

**'Grand Soleil d'Or'** - Heirloom French variety with medium golden-yellow petals and orange cup. Light fruity scent. Takes a couple of weeks longer than 'Ziva' to bloom, about 4-6 weeks. 12-14". 15-16cm.

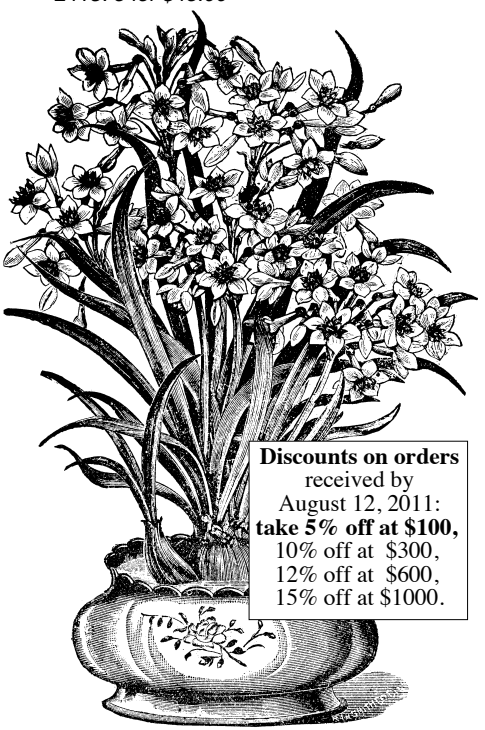
*2391: 5 for $4.75* *2392: 10 for $8.50*
*2393: 25 for $19.50* *2394: 100 for $72.00*

**'Ziva'** - Early paperwhite, one of the fastest to force (about 2 weeks, once planted) and the most floriferous. White flowers with strong musky spicy fragrance. Bulbs will not hold until late winter. 16-18". 16-17cm.

*2401: 5 for $5.00* *2402: 10 for $8.75*
*2403: 25 for $19.75* *2404: 100 for $73.00*

**Paperwhite Gift Kit** - Indoor-blooming 'Ziva' paperwhites with enough "professional growing medium" to plant the three 14-15cm bulbs in the same handsome 3x3x10" brushed copper oval planter with handles as we sell with the Saffron Crocus Kit on page 6; spill-proof packaging for shipping. Excellent for holiday gift-giving.

*2411: 1 for $9.75* *2412: 2 for $19.00*
*2413: 5 for $45.00*



**Discounts on orders** received by August 12, 2011: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

# Early Shipment of Fall-blooming Corms

Only these "E" items on pp. 6-9 are available for early shipment. **Order early as the final ordering deadline for these items is Friday, August 12.**

**Colchicum** - Colloquially called Fall Crocus and in some locales **Meadow Saffron** (but don't taste it, it's toxic. Real saffron offered at right). Flowerstalks emerge in September, long after the leaves have died back, giving rise to the terms Naked Boys (in the U.S.) and Naked Girls (in Britain). In early fall, the large bulb-like corms send up cup- or goblet-shaped crocus-like flowers, up to five per stem, in vibrant shades. Handsome glossy broad leaves emerge in spring to feed the corms, then die back by late summer to make way for fall's naked bloom. Plant bulbs 4" deep in fertile, well-drained soil *soon* after arrival or you may find flowers climbing out of your bags. Grows well in full sun or partial shade. Native to western Asia and parts of the Mediterranean. Flowers 4-8", greens 8-12"; Z4-9.

**'The Giant' - Organic -** Violet to rosy pink with a white base, a hybrid of *C. giganteum* x *C. bornmuelleri*. 3" petals open nearly flat in bright sun and will form a cheery carpet over time. 6-8", 18cm/up. MOFGA-certified. **Maine Grown.**

*E1011: 1 for $6.00*
*E1012: 3 for $16.00*
*E1013: 6 for $29.00*
*E1014: 12 for $53.00*

**'Waterlily'** - *C. speciosum* hybrid - Pink to mauve many-petalled fully doubled flowers in early fall really do look like waterlilies sprouting from the ground. May take a year to establish before flowering. We had some surplus bulbs in 2009 that bloomed in the boxes, pale and wan. I carefully transplanted them with the flowers above ground in early October. They colored up beautifully, and they bloomed beautifully again in 2010. 5-6", 16cm/up.

*E1021: 1 for $5.25*
*E1022: 3 for $13.25*
*E1023: 6 for $24.00*
*E1024: 12 for $43.00*

**Autumn-flowering Crocus** - Plant these in a sunny well-drained somewhat protected spot where they will be visible during this flower-sparse time of year.

**Crocus sativus** - **Saffron Crocus** - Valued for millennia for its three very long orange-red stigmas collected for dye, medicine and seasoning. The domesticated sterile flower opens broadly in the October sun. Petals range from light lilac to violet with darker veins. Blooms accompanied by classic crocus leaves. Lightly forking the bed in the summer when corms are dormant will help separate and spread the bulblets in the bed. May not bloom the first fall. Native to southwest Asia. 9cm/up, Z5-9, 3-4". ✦¢✦

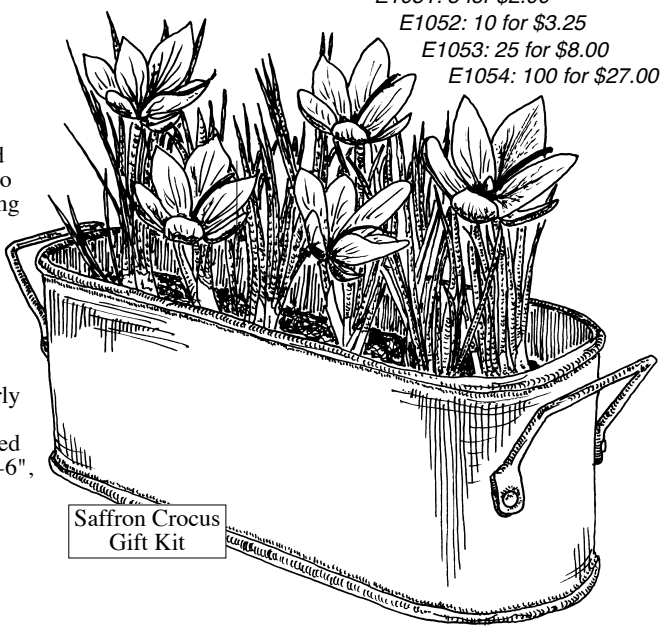
*E1031: 5 for $2.50* *E1032: 10 for $4.25*
*E1033: 25 for $10.00* *E1034: 100 for $33.00*

**Saffron Crocus Gift Kit** - Five fall-blooming saffron crocus bulbs (9-10cm) and a 3"-tall brushed copper 10x3" oval planter with handles. Also includes enough "professional growing medium" for planting, in a spill-proof package for shipping. Suitable for display indoors or out. Illustrated below, and pictured on our website.

*E1041: 1 for $9.50* *E1042: 2 for $17.50*
*E1043: 5 for $40.00*

**Crocus speciosus** - Violet blue, earliest of the fall-flowering crocus to bloom, so plant them promptly. Wild fringey stamens inside veined flowers on long stems. Plant closely for support or among ground covers. Spreads easily and rapidly. Leafs out in spring. Z4-9, 4", perhaps taller in later years. ✦¢✦

*E1051: 5 for $2.00*
*E1052: 10 for $3.25*
*E1053: 25 for $8.00*
*E1054: 100 for $27.00*



Saffron Crocus Gift Kit

# Early Shipment of Perennials

**Daylilies** - *Hemerocallis* - We continue to expand our offerings of the famously familiar daylily clan. We are pleased to offer seven varieties grown in Maine, four from The Maine Garden in Waldo and three from Deer Wood Gardens in Waterford, along with two highly desired members of the Stella series. We rotate varieties each year to allow our small-scale local growers to replenish stock of popular varieties.

Daylilies are champion low-maintenance perennials which produce a bush of narrow arched leaves topped with lily-shaped flowers from July to September. Hemerocallis means beautiful day, referring to the fact that each flower lasts only a day, but since each scape (stem) is covered with buds, bloom periods can be extensive. Plant 12-18" apart in average soil; benefits from a shovel or two of compost. Very hardy, flourishes under a wide range of conditions, from full sun to shade, wet to dry. U.S.-grown 2-3 fan divisions.

**'Etched in Gold'** - Peachy primrose on a yellow-gold background, with deeper gold on the lightly frilly petal edges. Barely reflexed 5-6" flowers with contrasting purple-maroon anthers make these a stunning sight on 20" flower stalks. Early-mid SU. Z3-8. **Maine Grown. NEW!**

*E1061: 1 for $8.00 E1062: 3 for $21.00*
*E1063: 6 for $35.00 E1064: 12 for $64.00*

**'Fountain Tune'** - Broadly overlapping light lavender-mauve with purple veins petals, slightly recurving, Red pistils and purple stigmas contrast sharply with yellow-green throat on this hardy fast-growing plant. 26-28", mid SU. Z3-8. **Maine Grown. NEW!**

*E1071: 1 for $8.00 E1072: 3 for $21.00*
*E1073: 6 for $35.00 E1074: 12 for $65.00*

**'Ice Carnival'** - Nearly all-white 6" flower with slim bluntly pointed, not recurved, petals. Has a yellow throat and yellow stamens topped maroon. Very fragrant with some tendency to rebloom. 26-28", mid SU. Z3-8. **Maine Grown. NEW!**

*E1081: 1 for $9.00 E1082: 3 for $23.00*
*E1083: 6 for $40.00 E1084: 12 for $71.00*

***H. fulva* var. *Flore Pleno* 'Kwanzo'** - Apricot-orange 5" flowers with lighter mid-ribs and deeper red-orange eye-ring. This specimen has double and sometimes triple the number of petals. A strikingly full flower on scapes up to 36" tall. Late SU. **Maine Grown. NEW!**

*E1091: 1 for $9.00*
*E1092: 3 for $23.00*
*E1093: 6 for $40.00*
*E1094: 12 for $72.00*

Only these "E" items on pp. 6-9 are available for early shipment. **Order early as the final ordering deadline for these items is Friday, August 12.**

**'Powder Pink Prize'** - Pale apple-blossom pink petals with white mid-ribs, yellow-green throat offset by orange-red stamens and purple-brown anthers. Get up close to these 5½" flowers to fully appreciate all the colors. Easy to do since their 20" height and compact habit works well in containers. Early-mid SU. Z3-8. **Maine Grown. NEW!**

*E1101: 1 for $8.00 E1102: 3 for $21.00*
*E1103: 6 for $35.00 E1104: 12 for $65.00*

**'Ruby Stella'** - Deep wine-red flowers with striking greenish throat bordered with yellow and accented by red anthers. Flowers from early summer until first frost. Foliage from 14-18" tall and flower scapes up to 22". This easy bloomer performs best in full sun, tolerates drought and does not require deadheading, pruning or pinching. Z4-11.

*E1111: 1 for $5.75 E1112: 3 for $14.50*
*E1113: 6 for $25.50 E1114: 12 for $47.00*

**'Siloam Joan Senior'** - Note that this is not 'Joan Senior', a mostly white cultivar. 'Siloam Joan Senior' has 4" rose pink petals with white mid-ribs. Lime-green throat, bordered by a slim yellow band and a medium-sized burgundy-purple eye-ring. Shortish at 20" tall and excellent for the front of the border or for container planting. Mid SU. Z3-8. **Maine Grown. NEW!**

*E1121: 1 for $9.00 E1122: 3 for $23.00*
*E1123: 6 for $40.00 E1124: 12 for $71.00*

**'Siloam June Bug'** - Another delightful member of the Siloam family of daylilies, sporting 3" overlapping recurved gold petals with a maroon throat. Inner three petals broad and wavy-edged; outer petals more pointed and smoother-edged. 22-24", early-mid SU. Z3-8. **Maine Grown. NEW!**

*E1131: 1 for $9.00 E1132: 3 for $23.00*
*E1133: 6 for $40.00 E1134: 12 for $72.00*

**'Stella Supreme'** - Soft lemon petals, mildly reflexed, with a citrus scent. Like its parent 'Stella de Oro', 'Stella Supreme' blooms early and lasts even longer, often until the first frost. Foliage reaches 14" with 20" flower scapes. Performs best in full sun, is drought tolerant and does not require deadheading, pruning or pinching. Z4-11.

*E1141: 1 for $5.75*
*E1142: 3 for $14.50*
*E1143: 6 for $25.50*
*E1144: 12 for $47.00*

## Bearded Iris

*Iris* x *germanica* A hardy perennial and fine cutflower, with multiple blooms from 3-6" across on each flower stalk. Strong sword-shaped foliage. Beards are soft hairs protruding up from the crest of each fall, often in contrasting colors. See page 15 for listings of bulbous, Japanese and Siberian iris and an explanation of floral structures.

Blooming begins in the first real heat of late spring or early summer. Those listed as rebloomers may have a second blooming period later in the season depending on climate and cultivation practices.

Plant rhizomes horizontally, less than 1" deep, in clusters with new growth facing outward. Vigorous plants, so give them room to spread. They appreciate full sun and dry, light, limed soil and require good drainage. May take a year to establish before blooming. Clumps need dividing every 4-5 years. Z4-8, 24-36", SU. #1 fieldgrown rhizomes.

**'Batik'** - Standards and falls purple with finely etched streaks of white throughout and a shimmering gold and silver beard. Early SU, 24-26".

*E1151: 1 for $4.50 E1152: 3 for $11.75*
*E1153: 6 for $21.00 E1154: 12 for $39.00*

Only these "E" items on pp. 6-9 are available for early shipment. **Order early as the final ordering deadline for these items is Friday, August 12.**

**'Best Bet'** - Purplish-blue falls, lightly dusted white around the blue-purple beard; standards shimmering marble white to very pale blue. Stunning color, and a rebloomer in long-season locations. Early SU, 34-36". ✦¢✦ **NEW!**

*E1161: 1 for $4.00 E1162: 3 for $10.75*
*E1163: 6 for $19.50 E1164: 12 for $36.00*

**'Beverly Sills'** - Pale coral pink with apricot beards, ruffled and flaring. This award-winning reblooming iris is our best seller. Fast growing and heavy blooming. Early-mid SU, 30-35".

*E1171: 1 for $4.00 E1172: 3 for $10.75*
*E1173: 6 for $19.50 E1174: 12 for $37.00*

**'Immortality'** - Pure white standards and falls; a pale yellow blush peeks out of shadow areas. Fragrant rebloomer with frothy white beard. Mid SU, 28-29".

*E1181: 1 for $4.00 E1182: 3 for $10.75*
*E1183: 6 for $19.50 E1184: 12 for $38.00*

**'Orange Harvest'** - Rebloomer with sunny orange standards and deep orange falls sporting a yellow-gold beard. Large substantial flowers really shine. Early-mid SU, 30-36".

*E1191: 1 for $4.50 E1192: 3 for $11.75*
*E1193: 6 for $21.00 E1194: 12 for $39.00*

**'Spin Off'** - Maroon-purple falls with contrasting rose markings radiating from orange-hued beard. Standards and edges of falls are antique rose-purple. Rebloomer. Early-mid SU, 30-32".

*E1201: 1 for $4.50*
*E1202: 3 for $11.75*
*E1203: 6 for $21.00*
*E1204: 12 for $38.00*

**'Superstition'** - Rich purple-black self. Even the beard is a deep dark maroon. In the shade or on an overcast day, it really looks black. Mid SU, 30-35".

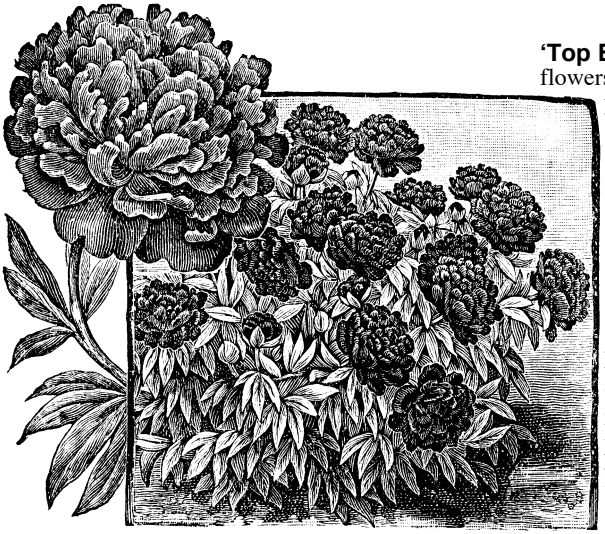
*E1211: 1 for $4.00 E1212: 3 for $10.75*
*E1213: 6 for $19.50 E1214: 12 for $37.00*

**'Tiger Honey'** - An intricate pattern of dappling similar to 'Batik'. Standards are a subtle blend of honey yellow and creamy white, while falls are a more defined dapple of cream and butterscotch. LS, 34-36". **NEW!**

*E1221: 1 for $4.50 E1222: 3 for $11.75*
*E1223: 6 for $21.00 E1224: 12 for $38.00*

**Bearded Iris Mix** - A variety of colors at a variety of bloom times. Purples, blues, yellows, whites, pinks and more—there'll be something worth gazing at all iris season long. 25-36".

*E1231: 3 for $11.00 E1232: 6 for $19.50*
*E1233: 12 for $37.00 E1234: 24 for $69.00*



**'Top Brass'** - 4-5" densely packed "bomb-type" flowers. Rounded ivory-white petals frame the pastel splash of light yellow, pink and whites on top. Nice for cutting. 28-30". 2/3 eyes. **NEW!**

*E1271: 1 for $7.50*
*E1272: 2 for $14.00*
*E1273: 3 for $20.00*
*E1274: 6 for $36.00*

***P. officinalis* 'Rubra Plena'** - Intense crimson red 4-5" fully double flowers appear *early*. Sometimes called Memorial Day Peony. Sturdy stems support the satiny ruffled petals. This is a European species, and its gray-green oval leaves look different from the typical Chinese peony. In gardens since the 16th century. 36". 3/5 eyes. **NEW!**

*E1281: 1 for $8.75*
*E1282: 2 for $16.50*
*E1283: 3 for $22.50*
*E1284: 6 for $41.00*

**Peony** - *Paeonia lactiflora* - Reliable, long-lived hardy herbaceous perennials. Red shoots appear in spring and form a bushy clump, about 3x3', of lustrous dark green deeply lobed foliage. Fat spherical buds on sturdy stems above the foliage gradually open into large beautiful flowers from late spring to early summer. Huge flowers are stunning on the bush and wonderful when cut. May take 3-5 years to establish before blooming, and resents being disturbed. Commonly called Chinese peony; native from Tibet to Siberia.

Plant 2-3' apart with eyes no more than 1-1 1/2" below the surface in well-drained soil, full sun to partial shade. U.S.-grown roots. Z3-8. LS–early SU.

**'Bowl of Beauty'** - Striking bicolor with deep rose red petals inside and soft pink outside contrasted by a large frilly creamy yellow staminode center. Beautiful "Japanese" or "anemone-form" flowers are up to 8" wide. 24-30". 2/3 eyes.✦¢✦

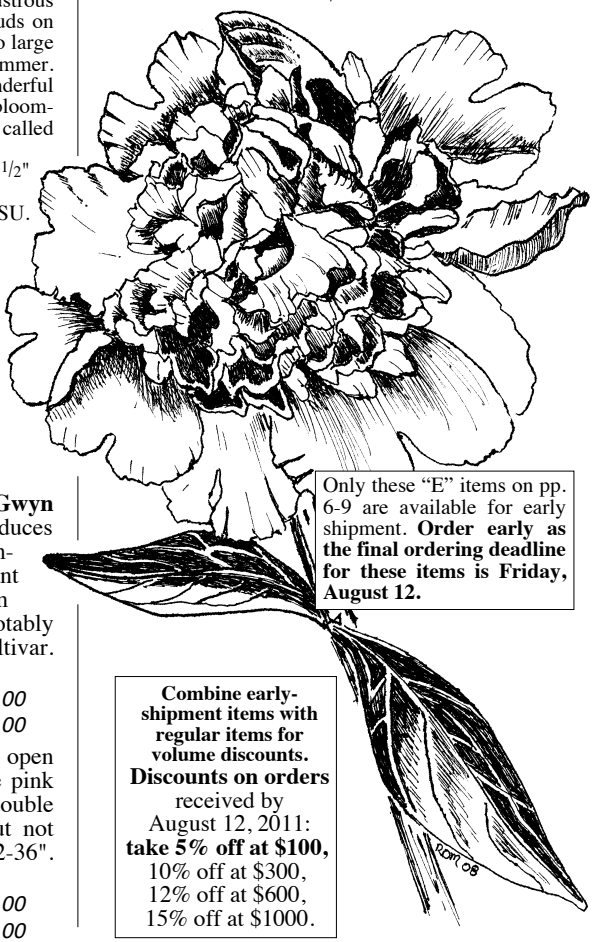
*E1241: 1 for $7.50*
*E1242: 2 for $14.00*
*E1243: 3 for $20.00*
*E1244: 6 for $36.00*

**'Duchesse de Nemours'** - Syn. '**Mrs. Gwyn Lewis**'. Early for a peony, the Duchesse produces 5-7" flowers with spreading outer petals completely mounded over with lush white fragrant ruffled inner petals. Center petals are lit from within by their luminous yellow base. A notably stocky, sturdy and vigorous fully double cultivar. 28-32". 3/5 eyes.

*E1251: 1 for $9.50* *E1252: 2 for $18.00*
*E1253: 3 for $27.00* *E1254: 6 for $48.00*

**'Sarah Bernhardt'** - Fragrant flowers open light rose-pink. Matures to a more delicate pink with a slight creamy-silvery edge. Fully double flowers, 6-8" across, appear richly full but not crammed, toward the end of the season. 32-36". 3/5 eyes.

*E1261: 1 for $7.50* *E1262: 2 for $14.00*
*E1263: 3 for $20.00* *E1264: 6 for $35.00*



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**Combine early-shipment items with regular items for volume discounts.**
**Discounts on orders** received by August 12, 2011: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

# Planting Outdoors

All the varieties of outdoor bulbs we offer are adapted to Maine's climate. Here in Waterville we are in USDA Zone 4. Fifty miles to the west in the mountains is Zone 3; fifty miles east on the coast is Zone 5. However, local cold pockets, northern slopes, hills and lakes can all affect your micro-climate, and may make the large-scale maps printed by the USDA inaccurate for your plot. Your cooperative extension service may have maps showing local zones. You can use rock walls and heavy mulch to shift conditions to your advantage.

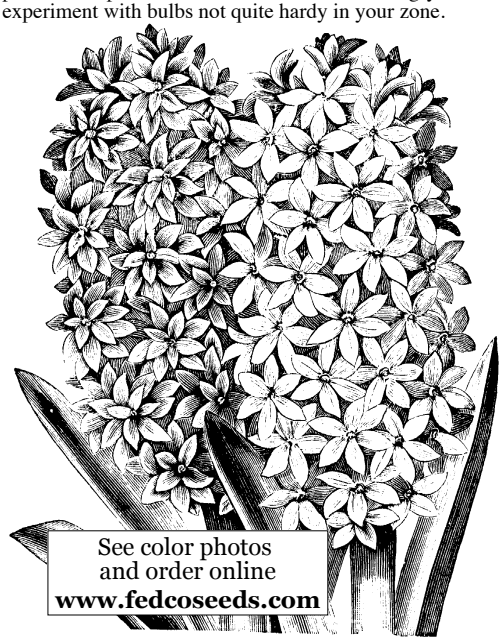
## Planning and Planting

Bulbs are easy to work with, very rewarding and forgiving. They look best planted in groups or clumps, naturalized in the sod, under trees, or in the rock garden, bed or border. Good drainage is essential; bulbs will grow poorly or rot if they are too wet.

**Prepare beds** by mixing a bulb fertilizer, bonemeal and wood ashes, or other phosphorus and potassium sources into the soil below the level of the bulbs. Mix in compost to lighten heavy soils and increase nutrients. Peat is acidic—use with caution. Although widely available, Holland Bulb Booster contains ingredients which are not approved for organic growers.

**Plant bulbs** pointed side up; generally the depth of the hole is three times the bulb's height. See the chart on this page showing suggested planting depth and spacing. Topdress the bed with compost.

**Mulch your bulbs** with 4-6" of leaves, bark, straw, etc. after the ground freezes, especially if you plant them next to your house. Otherwise, basement heat and reflected sunlight will remove the insulating snow cover, exposing them to alternating sunny days and freezing nights and damaging their growth tips. Wherever they're planted, bulbs need insulation. You need to mulch unless you can depend on winter to provide a consistent snow cover heavy enough to last through a January thaw. A good mulch can also give protection up to half a hardiness zone, enabling you to experiment with bulbs not quite hardy in your zone.



See color photos
and order online
**www.fedcoseeds.com**

**Do not remove the mulch too early** in the spring. By keeping the soil from thawing, mulch prevents heaving and false starts in early warm spells and delays flowering slightly for a more uniform and longer-lasting display. Remove mulch as the bulbs begin to peek through in the spring and dress the bed with compost.

**Pinch the blooms as they fade** to discourage seed production and force the energy back into the bulb. This is especially important for tulips and hyacinths, which can otherwise lose their vigor in 2-3 years.

**Do not cut the foliage** as long as it remains green; it produces the food for future blooms. Cut leaves only after they yellow. Sidedress with fertilizer or compost in late summer to mid-fall.

If squirrels, chipmunks or moles are a problem, try chicken wire or sharp gravel placed in the ground surrounding the bulbs. (Blood meal repels many critters, but it may also repel people and attract dogs.) Or plant Narcissus, Allium, Fritillaria or Ipheion, which critters don't generally bother.

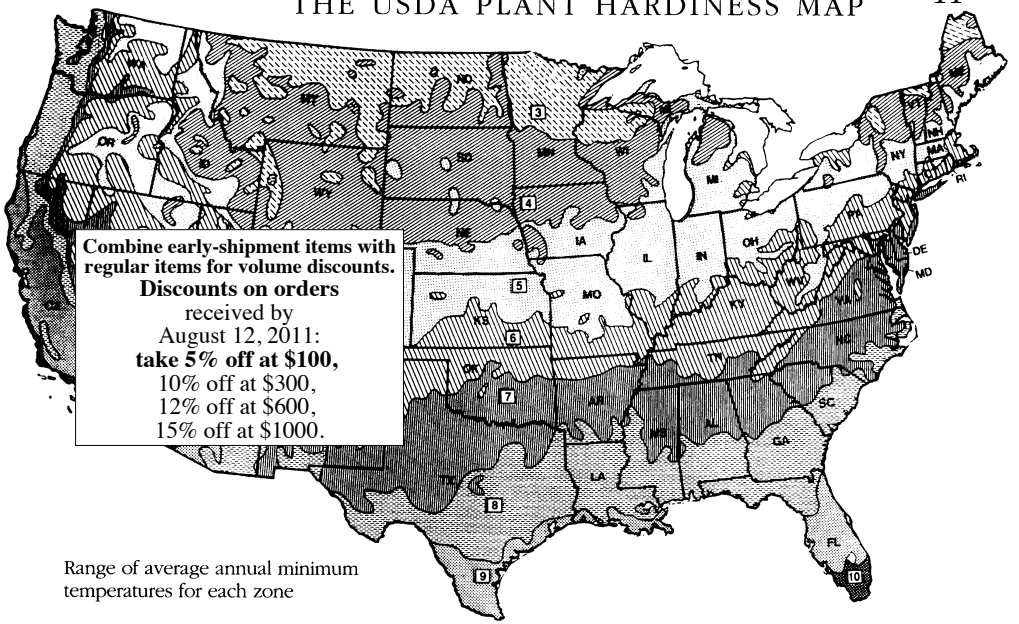
To disrupt squirrels' ability to "smell out" the bulbs in new plantings, we've begun dusting those areas with black pepper and ground cloves in the fall right after planting and again in the spring when growth first emerges. The odor in the yard, reminiscent of chai, is a neat touch too.

If after several years your bulbs produce leaves but not flowers, they may be suffering from overcrowding (dig in fall, separate and replant), insufficient sun (move to new location), undernourishment (sidedress thoroughly) or marginal zone hardiness (give to a friend further south).

| TYPE | SPACING | DEPTH |
|---|---|---|
| ALLIUM, large | 6-12" apart | 4-8" |
| ALLIUM, small | 1-3" apart | 3-4" |
| ANEMONE blanda ‡ | 4" apart | 2-3" |
| CAMASSIA | 6-8" apart | 4-6" |
| CHIONODOXA | 1-3" apart | 3-4" |
| COLCHICUM* | 6-9" apart | 4" |
| CROCUS, fall, jumbo & snow | 1-4" apart | 3-4" |
| ERANTHIS ‡* | 3-4" apart | 3-4" |
| ERYTHRONIUM | 3-4" apart | 4" |
| FRITILLARIA imperialis* | 8-10" apart | 6" |
| FRITILLARIA meleagris | 4-5" apart | 3-4" |
| GARLIC* | 4-6" apart | 5-6" |
| GALANTHUS* | 3-4" apart | 3-4" |
| HEMEROCALLIS* | 12-18" apart | to 1" |
| HYACINTH* | 3-4" apart | 5-8" |
| HYACINTHOIDES* | 3-4" apart | 3-5" |
| IPHEION uniflorum* | 1-3" apart | 2-3" |
| IRIS, dwarf, dutch | 2-4" apart | 3-4" |
| IRIS, bearded* | 6-18" apart | to 1" |
| IRIS, siberian, japanese | 6-8" apart | 2-3" |
| LEUCOJUM aestivum* | 1-3" apart | 2-3" |
| LILY* | 6" apart | 6-8" |
| MUSCARI | 2-3" apart | 3-4" |
| NARCISSUS, large | 4-6" apart | 6-10" |
| NARCISSUS, small | 3-4" apart | 4-6" |
| NECTAROSCORDUM | 4-8" apart | 2-3" |
| ORNITHOGALUM | 3-4" apart | 3-4" |
| PEONY* | 2-3' apart | to 1" |
| PUSCHKINIA scilloides | 2-4" apart | 3-4" |
| SCILLA | 2-4" apart | 3-4" |
| TULIPS, garden* | 4-6" apart | 6-10" |
| TULIPS, species | 2-3" apart | 3-4" |

Use deeper depths for colder areas and in sandy soils.
*Additional planting information is in descriptions or headers.
‡Corms: soak 24 hours before planting.

## THE USDA PLANT HARDINESS MAP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Discounts on orders received by August 12, 2011:
take 5% off at $100,
10% off at $300,
12% off at $600,
15% off at $1000.
Range of average annual minimum temperatures for each zone
Zone 2 -50° to -40°
Zone 3 -40° to -30°
Zone 4 -30° to -20°
Zone 5 -20° to -10°
Zone 6 -10° to 0°
Zone 7 0° to 10°
Zone 8 10° to 20°
Zone 9 20° to 30°
Zone 10 30° to 40°

Included in each heading or description are USDA hardiness zones, approximate height at flowering time, relative bloom times {codes: VE, very early spring; ES, early spring; MS, mid-spring; LS, late spring; SU, summer (within summer, we use early, mid & late to describe relative season)}, bulb size, and item numbers with quantities and prices. ✦¢✦ indicates an exceptionally good deal.

## Growing Other Bulbs Indoors

Why not enjoy your favorite spring bulbs all winter long? With a little extra attention, you can grow many bulbs indoors. While paperwhites and amaryllis are ready to plant and grow, all other bulbs must be cooled for a time (forced) to fulfill their winter dormancy requirements before they will flower.

Planting: Choose a pot shallow and wide enough to hold several bulbs. Fill the pot halfway with stones or other coarse material, set the bulbs in root side down, then fill the container with fine stones, sand, light potting mix or other material until the bulbs are about two-thirds covered. The bulbs already contain all the nutrients needed to bloom once, and too rich a soil may cause them to rot. Water up to the base of the bulbs. Or use a hyacinth glass: Fill with water to the base of the bulb, and do not let it get dry.

Forcing: After watering, cover the pot with plastic, punch a few holes for circulation, and place in the fridge (this works well because the temperature is consistent, just be sure to keep the bulbs away from fruit). Or, place them in a garage, unheated basement, root cellar, outdoors covered with 6-8" of leaves and earth, or other dark place at 35-40°F. The bulbs will not be hurt by light frost but will be harmed by heat or a hard freeze.

| Bulb | weeks in: cold storage | indirect light |
|---|---|---|
| Crocus | 4-6 | 1-2 |
| Galanthus, Scilla | 6-7 | 1-2 |
| Iris reticulata | 7-8 | 1-2 |
| Hyacinthus | 10-12 | 2-3 |
| Narcissus, Muscari | 12-13 | 3-4 |
| Tulipa | 14-15 | 3-4 |

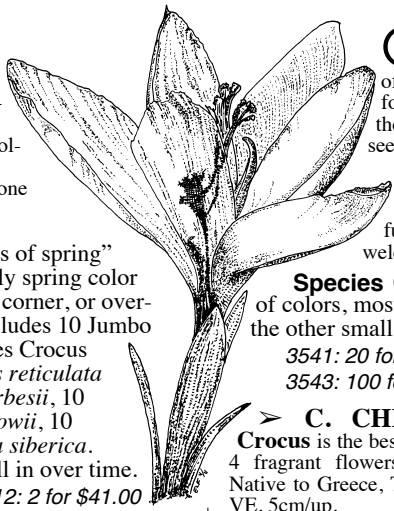
You can tell the bulbs are ready if you can see roots at the bottom of the pot, and leaf tips beginning to emerge. Bring the bulbs into a cool area (50-65°F) with plenty of indirect light to encourage leaf growth. Too much heat at this point will cause premature flowering; do not place near radiators or wood stoves. Keep the soil moist, but do not overwater.

When 3-5" of leaf growth has appeared, bring the pots into direct light to encourage flowering. Once blooms have appeared, remove pots from direct sun to keep colors from fading quickly.

Plant forced bulbs in the garden in spring, or let them go dormant in their pots and plant them in fall. They will not force well a second time. The bulbs may not blossom until the 2nd spring after they were planted outdoors.

# Collections

contain topsize bulbs (except where noted), each variety individually packaged and labeled. Planting suggestions accompany each collection. We reserve the right to substitute a similar variety should one become unavailable.



**The Low Border** - A "heralds of spring" early border, for 3-4 sq. ft. Early spring color for naturalizing, tucking into a corner, or overplanting in an existing bed. Includes 10 Jumbo Crocus mix (7-8cm), 10 Species Crocus mix, 10 *Iris danfordiae*, 10 *Iris reticulata* 'Harmony', 10 *Chionodoxa forbesii*, 10 *Eranthis*, 10 *Galanthus woronowii*, 10 *Puschkinia scilloides*, 10 *Scilla siberica*. Most will slowly spread and fill in over time.

*3511: 1 for $22.00 3512: 2 for $41.00*

**The Storyland Garden** - Looking for an autumn garden project with the kids that's not just child's play? Try our "kinder-garden" collection of 7 characters from storyland. Early spring heralds the arrival of crocuses 'Goldilocks' and 'Peter Pan', followed by narcissus 'Rip van Winkle', and tulips 'Mickey Mouse', 'Pinocchio', and 'Red Riding Hood'. With tulip 'Oscar', that shy old grouch, waiting until the end to show his face, your family will have weeks of beautiful blooms in white, gold, yellow, red and orange to stimulate everyone's imagination. 45 bulbs, 7 varieties. 3-18", VE-MS.

*3521: 1 for $22.00 3522: 2 for $41.00*

**Sunset Cutflowers** - A selection of late tulips for cutting or the border. Reds, yellows and flames in a variety of shapes will add interest in the garden and in the vase. Contains 65 tulips: 10 each Single Lates 'Temple of Beauty', 'Mrs John T Scheepers' and 'La Courtine'; 5 each Parrots 'Bright Parrot', 'Rococo' and 'Texas Flame'; Lilies 'Ballerina', 'Pretty Woman' and 'West Point'; Double Late 'Sunlover'.

*3531: 1 for $39.00*

# Crocus

provide a burst of color in early spring and are great for naturalizing. Once established, they can spread by "cormlets" and seed in well-drained areas. Foliage of low-growing varieties fades before the grass needs mowing. One of the most popular genera, they are colorful, long-lived, easy to grow, and welcome precursors of spring.

**Species Crocus mix** - A tempting mix of colors, mostly *C. chrysanthus*, with some of the other small species as well. 5-7cm.

*3541: 20 for $4.20 3542: 40 for $7.00*
*3543: 100 for $17.50 3544: 300 for $44.00*

➢ **C. CHRYSANTHUS** - The **Snow Crocus** is the best-known small crocus species. Up to 4 fragrant flowers per corm, with rounded petals. Native to Greece, Turkey and the Balkans. Z3-8, 3-4", VE. 5cm/up.

**'Ard Schenk'** - Pure white with a golden-yellow center and brilliant orange pistils, very lightly feathered grey-blue on the outside. Lightly fragrant. ✦¢✦

*3551: 10 for $2.40 3552: 20 for $4.00*
*3553: 50 for $9.50 3554: 200 for $32.00*

**'Ballet'** - Slightly pointed petals broadly brushed with royal purple on the outside. Inside, snow white, with bright orange stamens to add to the striking contrast. You may find this variety sold elsewhere as 'Lady Killer', but we won't endorse femicide, no matter how lovely the flower.

*3561: 10 for $3.20 3562: 20 for $5.25*
*3563: 50 for $12.00 3564: 200 for $40.00*

**'Blue Bird'** - Violet-blue petals edged in white. White to very pale blue inside with orange stamens. **NEW!**

*3571: 10 for $3.40 3572: 20 for $5.60*
*3573: 50 for $13.00 3574: 200 for $43.00*

**'Blue Pearl'** - Pale blue petals with a bronze base outside, pure white inside with a yellow base.

*3581: 10 for $2.85 3582: 20 for $4.75*
*3583: 50 for $10.75 3584: 200 for $36.00*

**'Cream Beauty'** - Light eggnog cream, with a bronze base and orange stamens. An unusual color for crocus, and very attractive.

*3591: 10 for $2.75 3592: 20 for $4.60*
*3593: 50 for $10.50 3594: 200 for $34.00*

**'Dorothy'** - Bright deep orange-yellow inside with bronzy feathering on the base outside.

*3601: 10 for $2.40 3602: 20 for $4.00*
*3603: 50 for $9.50 3604: 200 for $32.00*

**'Fuscotinctus'** - Bright yellow stars when open in the sun. Outer petals suffused with sepia stripes. Stigmas a deep red-orange.

*3611: 10 for $3.25 3612: 20 for $5.25*
*3613: 50 for $12.25 3614: 200 for $40.00*

**'Yellow Mammoth'** - *Crocus* x *luteus* (*C. flavus* x *C. angustifolius*) - Also sold as 'Dutch Yellow', 'Mammoth Yellow', 'Golden Yellow', 'Giant Yellow', and 'Grote Geele', it's the classic big yellow crocus. Vigorous, 2-5 large flowers per corm. Perhaps the most popular crocus variety for over 300 years. Blooms slightly before the Jumbo crocuses, and often is grouped with them. Z3-8, 4-6", VE-ES. 9cm/up.

*3621: 10 for $4.25 3622: 20 for $7.25*
*3623: 50 for $17.00 3624: 200 for $57.00*

**Corsican Crocus** - *C. minimus* - Lilac purple inside with a pale yellow throat, outer petals strikingly veined and feathered with dark purple over light purple edges. Attractive flower blooms after most croci are done. One or two flowers per bulb. Native to Corsica and Sardinia. Z3-8, 2-3", MS. 5cm/up.

*3631: 10 for $3.30 3632: 20 for $5.50*
*3633: 50 for $12.50 3634: 200 for $42.00*

➢ **C. SIEBERI** - Sometimes the flowers emerge before the leaves; flowers open wide and starlike. One to three scented flowers per corm. Vigorous species native to Greece and Crete. Z4-8, 2-3", VE. 5cm/up.

**Tricolor** - *C. s.* sbsp. *sublimus* f. *tricolor* - Golden orange throat banded with white makes a vivid center in these bright lilac-blue blooms. Not subtle but sublimely striking in the garden or forced indoors.

*3641: 10 for $3.25 3642: 20 for $5.40*
*3643: 50 for $12.25 3644: 200 for $40.00*

**'Violet Queen'** - Rich amethyst violet with yellow-orange throat; vigorous and free-flowering.

*3651: 10 for $3.30 3652: 20 for $5.50*
*3653: 50 for $12.50 3654: 200 for $42.00*

➢ **C. TOMMASINIANUS** - Slender flowers with pointed petals, 1-2 flowers per corm, and a very pronounced white stripe on the leaves. Doesn't compete well in grass, but easily reseeds itself and forms colonies in gardens. Of all crocus we offer, the most tolerant of moisture during the dormant period. Native to Bulgaria and Dalmatia. Z3-8, 3-4", VE. 5cm/up.

**'Barr's Purple'** - Soft amethyst-violet flowers are silvery outside. Spreads easily. ✦¢✦

*3661: 10 for $3.00 3662: 20 for $5.00*
*3663: 50 for $11.50 3664: 200 for $35.00*

**'Ruby Giant'** - Deep purplish red with a lighter base and margins. Large, vigorous and free-flowering.

*3671: 10 for $2.50 3672: 20 for $4.25*
*3673: 50 for $10.00*
*3674: 200 for $32.00*

**'Whitewell Purple'** - Reddish purple, very wide petals, silvery mauve inside. Quickly forms showy clumps. ✦¢✦ **BACK!**

*3681: 10 for $2.75 3682: 20 for $4.60*
*3683: 50 for $10.50 3684: 200 for $33.00*

➢ **C. VERNUS** - **Jumbo, Giant,** or **Dutch Crocus** - Admittedly "jumbo" relative only to other crocuses, these are the most commonly grown crocus. Slightly later than the smaller species. Good for bedding, naturalizing and forcing. Solitary flowers do equally well in sun or partial shade. Divide every 3-4 years to prevent overcrowding. Z3-8, 4-6", VE-ES. 9cm/up.

**'Flower Record'** - Deep violet-mauve flowers with a purple base. Spreads readily. Popular since Victorian times, when it was introduced.

*3691: 10 for $4.20 3692: 20 for $7.00*
*3693: 50 for $16.50 3694: 200 for $48.00*

**'Jeanne d'Arc'** - Gleaming pure white petals and bright orange pistils. Pair it with any other for brilliant contrast.

*3701: 10 for $4.20 3702: 20 for $7.00*
*3703: 50 for $16.50 3704: 200 for $49.00*

**'Pickwick'** - White petals striped with lilac to purple veins. A customer in Waldoboro has created an amazing drift of these fresh spring beauties.

*3711: 10 for $4.20 3712: 20 for $7.00*
*3713: 50 for $16.50 3714: 200 for $48.00*

**'Victor Hugo'** - Rich purple-blue with brilliant yellow-gold stamens. A deeper, darker flower than 'Remembrance'. Plant it en masse with 'Jeanne d'Arc' for a knockout view. **NEW!**

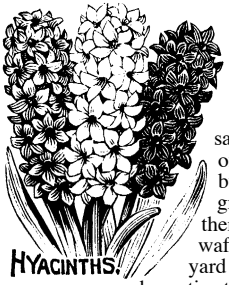
*3721: 10 for $4.20 3722: 20 for $7.00*
*3723: 50 for $16.50 3724: 200 for $49.00*

**Jumbo Crocus mix** - Yellows, whites, purples, blues and stripes, for large-scale naturalizing or border plantings. Landscape size, 7-8cm.

*3731: 20 for $5.75 3732: 40 for $9.75*
*3733: 100 for $22.50 3734: 300 for $54.00*

**Discounts on orders** received by August 12, 2011: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

Spring-flowering bulbs provide bees and other pollinators with an early food supply to replenish their hives and our lives.




# Hyacinths

*Hyacinthus orientalis* were more popular than either tulips or daffodils 130 years ago. An old Persian proverb says that if you have two loaves of bread, you should sell one to buy hyacinths. Their heady fragrance and range of color make them a favorite in the spring. The wafts of perfume from around the yard are wonderful—even passers-by notice the scent.

For best showing year after year, plant bulbs deep in rich well-drained soil in full sun and fertilize each fall. After the first year, the florets are slightly smaller and not as dense. Grow them in the border in close bunches or meandering drifts. Because a natural compound in the bulbs can cause "hyacinth itch," wear gloves during planting, and wash with cold water and plain soap after handling the bulbs. Z4-8, 8-12", ES. 16-17cm, except where noted.

**Hyacinth Glass** - The classic shape displays the bulb securely, with plenty of room for roots. Add interest with small stones or beach glass in the base. Clear, antiqued wavy heavy glass, with dimples around the "waist" to ensure good drainage around the bulb. 5¾" tall, 3½" diameter.

*4811: 1 for $4.25*
*4812: 3 for $10.60*
*4813: 6 for $19.00*
*4814: 12 for $35.00*

**Double Hyacinth Mix** - Double the petals make for extremely packed flower spikes! We include brilliant red 'Hollyhock', china-blue 'King Cadro', and luscious 'Pink Royal' in our own mix of hyacinth doubles. 10-12"; MS.

*4821: 3 for $6.50* *4822: 6 for $11.00*
*4823: 12 for $21.00* *4824: 48 for $75.00*

**'Carnegie'** - Dense spike of milky white florets. Introduced in 1935. Wonderful royal feel combined with 'Peter Stuyvesant'.

*4831: 3 for $4.00*
*4832: 6 for $6.60*
*4833: 12 for $12.00*
*4834: 48 for $42.00*

**'City of Haarlem'** - Pastel creamy yellow, a nice counterpoint to dark hyacinths or a complement to narcissus. Truly incredible paired with 'Woodstock'. 15-16cm.

*4841: 3 for $3.75* *4842: 6 for $6.25*
*4843: 12 for $11.25* *4844: 48 for $38.00*

**'Delft Blue'** - Rich soft porcelain blue. The classic.

*4851: 3 for $3.25* *4852: 6 for $5.45*
*4853: 12 for $9.75* *4854: 48 for $33.00*

**'Gipsy Queen'** - Soft salmon and peach with touches of pink. The closer you get, the more amazing the color. 15-16cm.

*4861: 3 for $4.00* *4862: 6 for $6.60*
*4863: 12 for $12.00* *4864: 48 for $42.00*

**'Peter Stuyvesant'** - Deep blue to royal purple. Strong sun fades many dark varieties, but Peter holds color well. Also bred for strong stems to withstand hard wind and rain.

*4871: 3 for $4.00* *4872: 6 for $6.60*
*4873: 12 for $12.00* *4874: 48 for $41.00*

**'Pink Pearl'** - Deep rose pink with pale edges. Very fragrant.

*4881: 3 for $3.25* *4882: 6 for $5.45*
*4883: 12 for $9.75* *4884: 48 for $33.00*

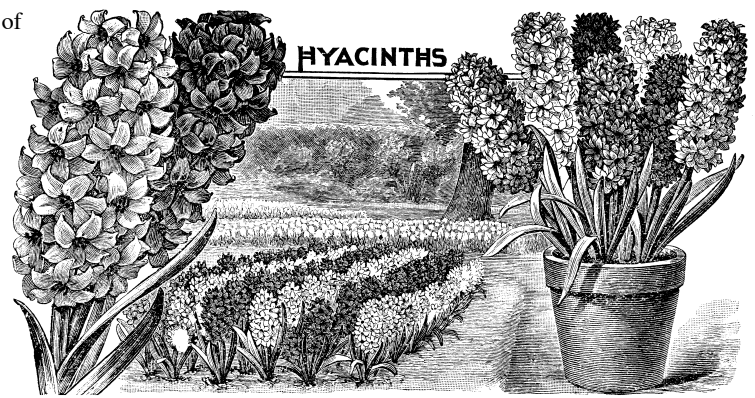
**'Woodstock'** - Marvelous rich violet-red color, like beets with a hint of magenta. Very full flower and definitely a stand-out. 15-16cm.

*4891: 3 for $4.00* *4892: 6 for $6.60*
*4893: 12 for $12.00* *4894: 48 for $42.00*

**Hyacinth mix** - The above colors and more. Landscape size, 15-16cm. ✦¢✦

*4901: 6 for $5.75* *4902: 12 for $9.50*
*4903: 24 for $17.50* *4904: 96 for $68.00*

Included in each heading or description are USDA hardiness zones, approximate height at flowering time, relative bloom times {codes: VE, very early spring; ES, early spring; MS, mid-spring; LS, late spring; SU, summer (within summer, we use early, mid & late to describe relative season)}, bulb size, and item numbers with quantities and prices. ✦¢✦ indicates an exceptionally good deal.



# Iris, Greek goddess of the Rainbow, lends her name to this large genus of beautiful flowers with a wide range of sizes and colors. Growing from bulbs or fleshy rhizomatous roots, perennial iris are superb for cutting and borders. Most prefer sun or dappled shade with moderately fertile well-drained soil. "Standards" are the three smaller erect petals; "falls" are the three larger pendant, reflexed or spreading petals. The "crest," "blotch" or "signal" is the blaze of contrasting color on the fall.

Bulbous Iris fall into three groups: Reticulata, with netted bulbs; Juno, with fleshy roots on the bulbs; and Xiphium, with papery-covered bulbs. All are dormant in summer.

See page 8 for bearded iris and page 16 for Japanese and Siberian iris.

## ➢ DWARF or RETICULATED IRIS -

Smaller delights, mostly *I. reticulata*, but also some other dwarf species. 3-6", beardless, Z4-9.

**I. danfordiae** - Fragrant, brilliant lemon-yellow flowers. Falls display an orange crest with small olive spots; tiny bristly standards and erect narrow leaves. Often the first iris to bloom. Native to Turkey; prefers hot summers. 3-6", VE. 5cm/up.

*5011: 10 for $3.50 5012: 20 for $5.75*
*5013: 50 for $13.50 5014: 100 for $25.00*

**I. histrioides 'George'** - Rich purple standards, darker falls with a yellow and white crest. Long-lasting fragrant flower has sturdy broad look, with nearly horizontal falls. Larger flower and earlier emergence than most dwarf iris. Hardy; tolerates late snows and hard frosts. 5-8", VE. 6cm/up.

*5021: 10 for $4.00 5022: 20 for $7.00*
*5023: 50 for $15.00 5024: 100 for $27.00*

**I. h. 'Katharine Hodgkin'** - Light blue standards with royal blue to purple striping. Pale lavender-streaked falls are highlighted by a yellow crest splashed with deep purple spots. Really beautiful flowers. 3" across. 4-6" tall, ES, 6cm/up.

*5031: 10 for $4.00 5032: 20 for $7.00*
*5033: 50 for $15.00 5034: 100 for $28.00*

**I. reticulata** - Bursts of color in early spring for the lawn, border or rock garden. Robust and hardy, spreads easily once established. Also good for forcing. Leaves are short at flowering time, later grow to 10-12". 4-6", ES. 6cm/up.

**'Harmony'** - Lavender-blue standards, velvety royal purple-blue falls with a yellow crest. Fragrant and long-lasting. 5cm/up.

*5041: 10 for $3.50 5042: 20 for $5.75*
*5043: 50 for $13.50 5044: 100 for $25.00*

**'Joyce'** - Sky-blue standards, with a golden yellow crest on dappled sky blue falls. ✦¢✦

*5051: 10 for $3.00 5052: 20 for $5.00*
*5053: 50 for $11.25 5054: 100 for $19.75*

**'Pauline'** - Very dark blue-purple, almost black, with a starkly contrasting white crest (no yellow). Crisp and sharp!

*5061: 10 for $4.00 5062: 20 for $7.00*
*5063: 50 for $15.00 5064: 100 for $27.00*

**Dwarf Iris Mix** - An early spring mix with four or more miniature delights.

*5071: 20 for $6.00 5072: 40 for $10.75*
*5073: 100 for $24.00 5074: 200 for $43.00*

## ➢ XIPHIUM IRIS

**Dutch Iris** - *I. hollandica* - Among the best cut-flowers, with elegant airy blooms on stiff stems; cut when buds are plump. Also lovely clumped in the border. Z5-8, 16-24", SU. 8cm/up.

**'Blue Ribbon'** - Rich velvety purplish-blue falls with standards a shade lighter, and a deep golden yellow crest. ✦¢✦

*5081: 10 for $3.00 5082: 20 for $5.25*
*5083: 50 for $11.50 5084: 100 for $20.00*

**'Excelsior' -** Luminous white with golden yellow crest highlighting the top of the falls. 20-24". **BACK!**

*5091: 10 for $3.75 5092: 20 for $6.25*
*5093: 50 for $14.50 5094: 100 for $25.00*

**'Eye of the Tiger'** - Purple standards and deep burgundy falls with a yellow eye. Never having looked a tiger in the eye, we see this as an exotic bird.

*5101: 10 for $6.00 5102: 20 for $10.00*
*5103: 50 for $22.50 5104: 100 for $39.00*

**'Rosario'** - Dusky pink, flushed with violet, with a large glowing golden-yellow crest. An amazing color for an iris.

*5111: 10 for $5.00 5112: 20 for $8.50*
*5113: 50 for $19.00 5114: 100 for $34.00*

**Dutch Iris mix** - The above colors and more.

*5121: 20 for $6.50 5122: 40 for $10.75*
*5123: 100 for $25.50 5124: 200 for $45.00*

➢ **RHIZOMATOUS IRIS** listed here are beardless. Plant their rootstocks just below the soil level; leaves are deciduous.

See page 9 for rhizomatous bearded iris.

**Japanese Iris** - *I. ensata* syn. *I kaempferi* - The largest blooms among the iris, often 5" across, with huge horizontal falls and small standards, 3-4 per stem. Willowy, narrow leaves form graceful clumps attractive around ponds or streams. Plant 6-8" apart in slightly acid soil, in full sun or partial shade. Prefers moisture during active growth and flowering. Often takes 2 years to establish, then is best left undisturbed for a long time. Can be planted in large pots for convenient display during bloom time. Native to Japan and northern China. Z4-9, SU. #1 fieldgrown transplants.

**'Double Delight'** - Rich royal purple with yellow crest. Big double flowers, about 6" wide. 28-30".

*5131: 1 for $4.00* *5132: 3 for $11.00*
*5133: 6 for $20.00* *5134: 24 for $74.00*

**'Gracieuse'** - White flowers with yellow signal marks, and a wide white-veined lavender-blue petal edge. 30-32".

*5141: 1 for $4.00* *5142: 3 for $11.00*
*5143: 6 for $20.00* *5144: 24 for $75.00*

**'Mt. Fuji'** - All-white flower with golden throat blotch towers above the landscape. 38-40".

*5151: 1 for $4.00* *5152: 3 for $11.00*
*5153: 6 for $20.00* *5154: 24 for $74.00*

**'Pink Lady'** - Soft pink with rose-pink veins and lighter nearing the edge. 32-35".

*5161: 1 for $4.00* *5162: 3 for $11.00*
*5163: 6 for $20.00* *5164: 24 for $75.00*

**Japanese Iris mix** - Sublime blooms in blue, lavender, violet, and white. 24-36".

*5171: 3 for $11.00* *5172: 6 for $20.00*
*5173: 12 for $38.00* *5174: 24 for $74.00*

**Siberian Iris** - *I. siberica* - Delicate beardless flowers on thin stems, up to 5 per stem held above the foliage. Good for cutting. Tall slender foliage in clumps looks great all summer grouped in borders or naturalized in colonies. Low maintenance, easy to grow; tolerates poor dry soil, but performs best in rich moist acid soil. Plant 12-15" apart in full sun or partial shade. Give them room to spread; divide tight clumps and clumps with open centers every few years. Z3-9, SU. #1 field-grown transplants.

**'Butter and Sugar'** - Creamy white standards with Jersey butter-yellow falls. Their 2' stems are especially good cutting and for use in tall arrangements. When renowned Maine iris breeder Dr. Currier McEwen introduced 'Butter and Sugar' in 1970, it was the world's first yellow Siberian iris. 26-28".

*5181: 1 for $3.50* *5182: 3 for $8.75*
*5183: 6 for $17.50* *5184: 24 for $64.00*

**'Caesar's Brother'** - Beautiful velvety deep rich blue. An old favorite that remains popular for its incredible vigor and color. 36-42".

*5191: 1 for $3.00*
*5192: 3 for $7.25*
*5193: 6 for $12.75*
*5194: 24 for $45.00*

**'Lavender Queen'** - Violet standards with broadly lavender-edged violet falls, centered with blue-veined white crests and a canary-yellow throat. 4" wide flowers, 32-36" tall.

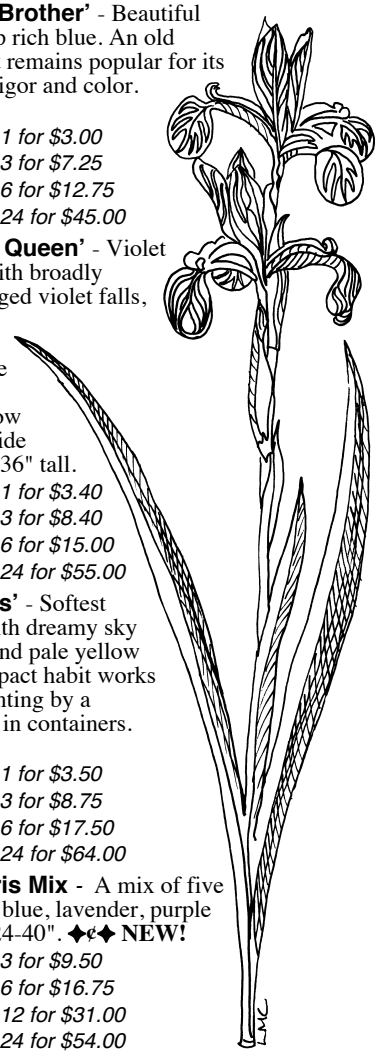
*5201: 1 for $3.40*
*5202: 3 for $8.40*
*5203: 6 for $15.00*
*5204: 24 for $55.00*

**'Sky Wings'** - Softest pale blue with dreamy sky blue veins and pale yellow crests. Compact habit works well for planting by a walkway or in containers. 30-32".

*5211: 1 for $3.50*
*5212: 3 for $8.75*
*5213: 6 for $17.50*
*5214: 24 for $64.00*

**Siberian Iris Mix** - A mix of five varieties, in blue, lavender, purple and white. 24-40". ✦¢✦ **NEW!**

*5221: 3 for $9.50*
*5222: 6 for $16.75*
*5223: 12 for $31.00*
*5224: 24 for $54.00*



# Lily - *Lilium* -

Queens of the Perennial Border, excellent as bedding plants or cutflowers, lilies are wonderful as individual specimens or in solid masses. These true lilies bear their large six-pointed flowers on erect unbranched stems. They do well in light shade, which will prolong summer blooms, or in full sun if mulched to keep the bulbs cool. Since lily bulbs are not completely dormant when shipped, do not let them dry out before planting. Plant bulbs 6-8" deep, 6" apart in rich, well-drained slightly acid soil with good humus content. Z3-8, 16-18cm.

**'Black Jack'** - Asiatic hybrid. Unforgettable glistening vermillion-ruby red up-facing blooms. The deeper red center has myriad dark red spots that disguise the stamens and anthers. Relatively flat-faced 5-6" (and sometimes larger) flower with slight recurved petal edges. 36-48", early SU.

*5231: 1 for $3.85 5232: 3 for $9.75*
*5233: 6 for $17.00 5234: 12 for $30.00*

**'Conca d'Oro'** - Orienpet (Oriental x trumpet) hybrid. Large mildly recurved petals are creamy white at the outer edges, turning to golden towards the center where a verdant green descends into the throat and shoots back out the stamens, topped by copper-colored anthers. Stunning. 36-38", late SU.

*5241: 1 for $3.85 5242: 3 for $9.75*
*5243: 6 for $17.00 5244: 12 for $29.00*

**'Lollypop'** - Asiatic hybrid. Starry hot pink petals with a creamy white throat dusted with tiny reddish-brown spots. Outward-facing 3-6" blooms; more floriferous than many Asiatic types. 18-32", early SU.

*5251: 1 for $3.85 5252: 3 for $9.75*
*5253: 6 for $17.00 5254: 12 for $30.00*

**'Stargazer'** - Oriental hybrid. Large 6-7" fragrant star-shaped flowers have deep rose-red slightly recurved petals with narrow white edge and a profusion of darker red spots. A familiar and choice specimen at late summer farmers' markets in Maine. 36-48", mid-late SU.

*5261: 1 for $3.85 5262: 3 for $9.75*
*5263: 6 for $17.00 5264: 12 for $29.00*

**Oriental Lily Mix** - The five or more varieties in this mix of 34-38" Oriental hybrids will draw a crowd to your garden in August. Delight your guests with all-pinks, all-whites, bicolors with lighter borders, even some with spots! Great as cutflowers or let them stand in display beds.

*5271: 2 for $7.50 5272: 6 for $18.25*
*5273: 12 for $33.00 5274: 24 for $58.00*

## Lily Leaf Beetle

Infestations have increased explosively in Maine in the past few years. This technique, used Downeast with notable success, may be worth your time.

Pick off the mother (she's red). She probably has already laid her eggs.

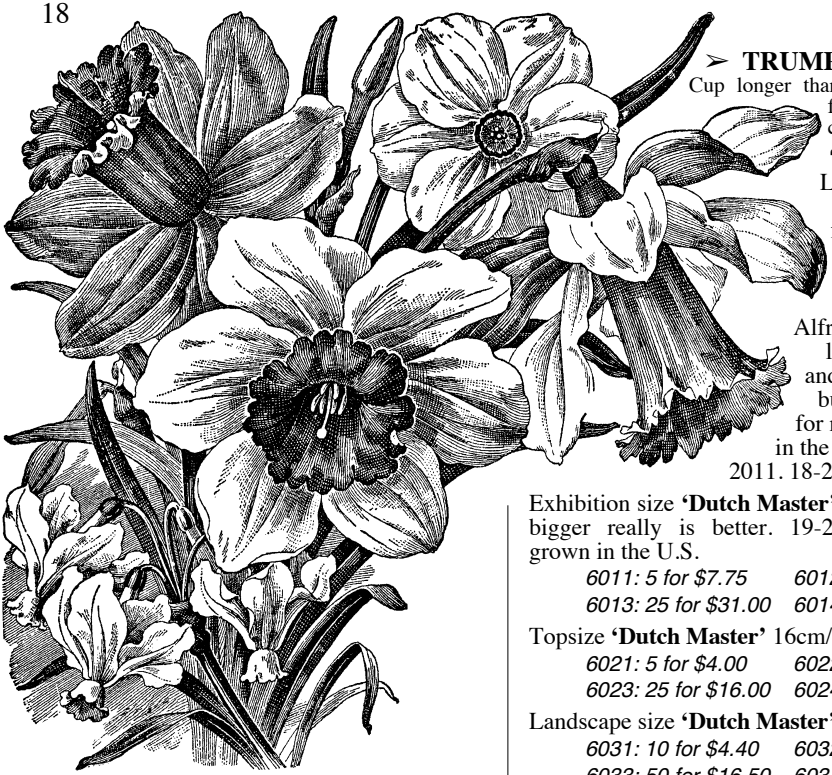
Put on a pair of soft cotton gloves and spray them heavily with diluted neem oil solution. Starting at the base of the lily stalk, run your gloved hand up under the leaves to the top of the stalk. This will coat the leaves with neem and kill any eggs that happen to be there.

Spraying the neem oil has not been successful—you need to get the stalk and the undersides of the leaves coated by using the soaked glove. Neem oil will not kill the mother.

For several years now, the Maine professional gardeners who told us about this treatment have used it in addition to daily vigilance. Their results: they are seeing fewer beetles.

A vigilant customer uses a 1:8 dilution of Dr. Bronner's Peppermint liquid soap with water instead of the diluted neem oil. "It works [even] if I have to spray many times a summer. I have my lilies and I don't worry about them. I never go outside without my spray bottle." She also reports that it "contact kills" ticks, carpenter ants, slugs and the parent red lily beetle, which the proponents of neem oil admit the neem does not do.

**www.fedcoseeds.com/bulbs.htm**



# Narcissus

are known to many of us as daffodils. Botanically speaking, there are currently 12 divisions of narcissus with Division 1 being the true daffodils and Division 7 the jonquils. Defining features include size and shape of the the flower's cup (also known as the crown, corona, or trumpet), of the surrounding petals or perianth, and the ratio between them, as well as the number of flowers per stem.

Narcissus thrive in full sun as well as dappled shade. While most pink and dark varieties hold their color better in semi-shade, many white varieties need bright sun to mature their initial yellow or cream coloring to white, and the pink varieties that open yellow or coral generally turn faster in sun. Pink and red varieties hold their color longest during cool wet springs.

The voracious deer will not eat narcissus, as they are toxic, witness the May 2009 episode that sent school-children in Martlesham Heath, Suffolk, England to the hospital; in cooking class, they inadvertently put one in the soup along with the onions from the school garden.

Wonderful for beds, borders, cutflowers, forcing, and naturalizing. They will return year after year as long as the soil is well drained and the foliage is not cut until it has completely died back. Water late varieties in mid spring during dry years to ensure bloom. Z3-8 (except where noted).

Topsize bulbs (the largest ordinarily available for each variety) except where noted otherwise. Landscape size bulbs are one size smaller and less expensive than topsize, for gardeners who plan their floral displays on the landscape scale. Exhibition size is even larger than topsize; designed for the spring flower exhibitions in Europe, the giant bulbs produce larger and more spectacular floral displays.

➢ **TRUMPET (DIV. 1)** - Cup longer than the perianth; one flower per stem. The classic Daffodil.

**'Dutch Master'** - Large yellow petals and scalloped, flared and notched yellow trumpet. A prolific and improved 'King Alfred', slightly taller, longer bloom time, and more flowers per bulb. Ours bloomed for nearly three weeks in the cool wet spring of 2011. 18-20", ES-MS.

Exhibition size **'Dutch Master'** - The case where bigger really is better. 19-21cm giant bulbs grown in the U.S.

*6011: 5 for $7.75* *6012: 10 for $13.25*
*6013: 25 for $31.00* *6014: 100 for $109.00*

Topsize **'Dutch Master'** 16cm/up.

*6021: 5 for $4.00* *6022: 10 for $7.00*
*6023: 25 for $16.00* *6024: 100 for $55.00*

Landscape size **'Dutch Master'** 14-16cm. ✦¢✦

*6031: 10 for $4.40* *6032: 20 for $7.35*
*6033: 50 for $16.50* *6034: 200 for $57.00*

**'Foresight'** - Soft white petals frame a brilliant butter-yellow trumpet. Strong grower, long-lived, great for naturalizing. 14-16", MS. Eco-Grown. Landscape size. **Maine Grown. BACK!**

*6041: 5 for $7.00* *6042: 10 for $12.00*
*6043: 25 for $28.00*

**'Las Vegas'** - A showy performer, with creamy white petals and a yellow flaring trumpet, wider and with more flare than 'Holland Sensation'. The first 125 bulbs we sell will be organically grown in Freedom, Maine; thereafter we will supply bulbs from Holland. **NEW!**

*6051: 5 for $7.50* *6052: 10 for $12.75*
*6053: 25 for $29.00*

**'Mt. Hood'** - Opens creamy, matures to pure white. Broadly overlapping petals and a wide-mouthed wavy-edged trumpet. Straightforward classic form that is also one of the finest whites. Z3-6, 15-17", MS.

*6061: 5 for $6.00* *6062: 10 for $10.00*
*6063: 25 for $24.00* *6064: 100 for $87.00*

**'Topolino'** - A standout miniature to place in the front of the border or in containers, where its short stature will be seen. Petals open creamy white, maturing to bright white, with a long slim primrose-yellow fluted cup. 6-8". Z4-8, E-MS. **NEW!**

*6071: 5 for $3.50* *6072: 10 for $5.75*
*6073: 25 for $13.25* *6074: 100 for $49.00*

➢ **LARGE CUP (DIV. 2)** - Flaring, ruffled, or edged cups, in a wide range of colors and shapes. Cup is more than a third the length of the perianth, although never as long. One flower per stem.

**'Carlton'** - Yellow petals, deeper golden cup nearly long enough to be a trumpet. The world's most planted narcissus; also multiplies rapidly. Vanilla fragrance. 18-20", ES-MS.

*6081: 5 for $4.00* *6082: 10 for $6.60*
*6083: 25 for $14.75* *6084: 100 for $55.00*

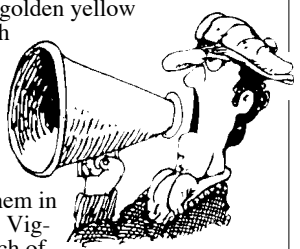
Landscape size '**Carlton**' for naturalizing. 14-16cm. ✦¢✦

*6091: 10 for $6.50* *6092: 20 for $10.75*
*6093: 50 for $25.50* *6094: 200 for $89.00*

**'Cool Flame' -** Ruffled salmon-coral cup set off smartly against brilliant white petals. Long flower stalks hold the flowers well above the foliage. Reliable, long-lived perennial, and fabulous for the vase. 16-18", MS. **NEW!**

*6101: 5 for $6.25* *6102: 10 for $10.50*
*6103: 25 for $25.00* *6104: 100 for $88.00*

**'Fortissimo'** - Huge golden yellow overlapping petals with a giant slightly frilly cup which opens apricot and matures to deep burnished orange. Truly enormous flowers: massive-issimo! Put them in a vase and stand back! Vigorous too—from a patch of five bulbs planted over a dozen years ago, Gene and Joanna get over 50 of these 4" blooms every year. 18-20", MS.



*6111: 5 for $5.50* *6112: 10 for $9.00*
*6113: 25 for $21.00* *6114: 100 for $75.00*

**'Fortune'** - Slightly pointy light butter-yellow petals surround the lightly frilled, finely ribbed apricot-orange cup. This strong popular variety won its first award in 1923. 16-18", MS. The first 200 bulbs we sell will be Eco-Grown in Maine; thereafter we will supply bulbs from England. Landscape size. **BACK!**

*6121: 5 for $7.00* *6122: 10 for $12.00*
*6123: 25 for $28.00*

**'Ice Follies' -** Large white perianth, flat wide ruffled cup opens bright yellow, fades to creamy white. Widely grown; second-most popular narcissus worldwide. Good forcer. 16-18", ES-MS.

*6131: 5 for $4.00* *6132: 10 for $6.75*
*6133: 25 for $15.00* *6134: 100 for $54.00*

Landscape size '**Ice Follies**' for naturalizing. 14-16cm. ✦¢✦

*6141: 10 for $5.25* *6142: 20 for $8.75*
*6143: 50 for $20.00* *6144: 200 for $69.00*

**'Kissproof'** - Could be called 'Sunproof'. Wide somewhat flattened brick-red cup doesn't fade in full sun but turns coppery with maturity. Petals open pale yellow, become apricot-yellow with hints of copper. Sturdy and floriferous. 16-18", MS-LS.

*6151: 5 for $6.85* *6152: 10 for $11.75*
*6153: 25 for $27.50* *6154: 100 for $91.00*

**'Mrs RO Backhouse'** - Curved delicate white petals, with a cup that starts as a warm butterscotch pink and matures to peachy pink with a deeper pink lip, and fades off into blush. Registered in 1921, first real pink developed, and still a stunner. 14-16", MS-LS. *Limited supply*. Eco-Grown. Landscape size. **Maine Grown. BACK!**

*6161: 5 for $7.00* *6162: 10 for $12.00*
*6163: 25 for $28.00*

**'Salomé'** - One of the most popular pinks. Long cup opens buttery, gradually turns soft pink with a yellow rim. Ivory petals. 16-18", MS.

*6171: 5 for $4.00* *6172: 10 for $6.75*
*6173: 25 for $15.00* *6174: 100 for $53.00*

➢ **SMALL CUP NARCISSUS (DIV. 3)** - Cup length is less than one-third of the perianth length. One flower per stem.

**'Barrett Browning'** - Bright orangey-red flattened ruffled cup stands out strongly against the pure white petals. Introduced in 1945 and has won many awards since. 14-16". MS. 14/16cm.

*6181: 5 for $4.25* *6182: 10 for $7.10*
*6183: 25 for $16.00* *6184: 100 for $55.00*

**'Birma'** - Deep yellow petals, vivid coral-red cup. Excellent for naturalizing; needs partial shade for best color. 12-18", MS.

*6191: 5 for $5.75* *6192: 10 for $9.50*
*6193: 25 for $22.00* *6194: 100 for $81.00*

Narcissus continued on p. 21

## Ordering Information

**The discount deadline is Friday, August 12.** Please mail your order early enough for us to receive it by the deadline, or get online before Friday at 4pm.

**Final order deadline for early shipment items (pp. 6-9) is also Aug. 12.**

To encourage group and co-op orders, we offer the following **volume discounts** on orders **we receive** by the **Aug. 12** deadline:

5% on orders $100 and up
10% on orders $300 and up
12% on orders $600 and up
15% on orders $1000 and up

Discounts are calculated from the merchandise Subtotal (not including shipping).

Orders received after Aug. 12 will not earn volume discounts and should expect some items to have sold out; please list alternates and √ Yes for substitutions on the order form.

**The final deadline for all orders is Aug. 26.**

We process orders in the sequence we receive them. If you want your bulbs early, please order early.

**Minimum order: $10 (not including shipping).**

**Web orders**: Order at **www.fedcoseeds.com**.

**Mail orders:** Please use pen to help us process your order accurately. **Send** your order form, with payment to: **Fedco Bulbs, PO Box 520, Waterville, ME 04903**. Keep a copy. If you wish us to confirm receipt of your order, enclose a stamped self-addressed postcard. If you need another copy of the order form on pages 20A/B, download it from our website or phone us at (207) 873-7333.

**We do not take phone or fax orders.**

**Payment:** We accept checks, money orders, Visa and MasterCard.

Yes, we offer **gift certificates**. Send payment with recipient info and we'll do the rest.

Included in each heading or description are USDA hardiness zones, approximate height at flowering time, relative bloom times {codes: VE, very early spring; ES, early spring; MS, mid-spring; LS, late spring; SU, summer (within summer, we use early, mid & late to describe relative season)}, bulb size, and item numbers with quantities and prices. ✦¢✦ indicates an exceptionally good deal.

**Group orders:** We make one shipment to one address with all your members' orders packed individually. Only one shipping charge, and the group's Subtotal determines the discount (if any).

See our website for full details on organizing an online group order.

By mail, collect and send to us all the order forms from all your group members (keep copies for yourself) at one time with one payment. Use a copy of the order form as a cover sheet for group address and payment.

## Shipping Information

**Shipping** to the continental US: we ship via UPS Ground or USPS Priority Mail, our choice. **Minimum shipping charge**: $6. Orders over $60 pay 10% of Adjusted Total (after discount, if any).

Orders going to **Alaska, Hawaii** and **APO/FPO** go Priority Mail; please give us a **mailing** address and pay 20% of Adjusted Total ($12 minimum).

| going to: | order total: | shipping charge: |
|---|---|---|
| continental US | up to $60<br>over $60 | $6<br>10% of Adjusted Total |
| AK, HI, APO/FPO | up to $60<br>over $60 | $12<br>20% of Adjusted Total |

Sorry, no shipments to Canada.

**Shipping regular items begins Sept. 27 and ends Oct. 7**. We process orders in the same sequence that we receive them. If you want your bulbs early, please order early. If you have not received your order by October 19, please contact us. **Shipping early items begins before Labor Day**. See pages 6-9.

## Pickup Information

**New expanded sale! Pick up your order and shop for surplus bulbs** at our new Fedco Trees warehouse on Friday, Oct. 14, from 9am-3pm. We will send you a confirmation postcard with directions and your order number by Sept. 24. Pickup orders pay no shipping charges.

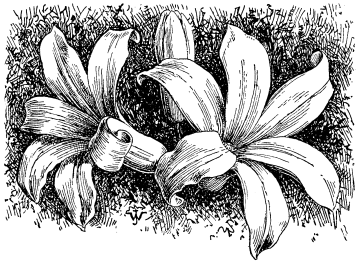
**We guarantee the quality of our bulbs, and warrant that all items we offer are fully satisfactory. If you are dissatisfied for any reason, we will replace the item or refund the purchase price.**

Please inspect your order upon receipt and use the correction sheet to notify us immediately of any problems. If you notice problems next spring, let us know immediately. Because good results depend upon weather, soil and cultural practices over which we have no control, we limit our liability in all instances to the purchase price. The liability of Fedco Seeds, Inc., for breach of warranty, or any loss or damages arising out of the purchase or use of our products, including loss or damages resulting from any negligence whatsoever on our part, or strict liability in tort, shall be limited to the purchase price. By acceptance of the merchandise, the buyer acknowledges that the limitations and disclaimers herein described are conditions of sale, and that they constitute the entire agreement between the parties regarding any warranty or liability. Claims for any defects in Fedco's products should be presented to Fedco as soon as possible after discovery. Failure to assert claims within 30 days after discovery renders this warranty null and void.

# Fedco Bulbs 2011

PO Box 520 Waterville ME 04903
**www.fedcoseeds.com**

See complete ordering instructions
and shipping information on page 20.



(from mailing label ) CC - _____

Farm or Group Name _____

Name _____

**Deliver this order to:** (We ship by Priority Mail or UPS ground, our choice based on weight.)

**US Mail** _____

Town _____ St _____ Zip _____

**UPS** (include road name) _____

Town _____ St _____ Zip _____

phone _____

Will you accept Substitutions?
Yes ❑ No ❑

**Volume Discounts**
**• if received by 8/12/11 • take 5% off at $100,**
10% off at $300,
12% off at $600,
15% off at $1000.
Early shipment & regular items may be combined for volume discounts.

**Delivery Options: check one only** ✔
**UPS/Priority Mail** ❑
**Pickup:** ❑
We need your address even if you are planning to pick up your order.

| | |
|---|---|
| **Subtotal** from other side | |
| **Volume Discount** from **Subtotal** | − |
| **Adjusted Total** | = |
| Add 5% **Sales Tax** | + |
| **Shipping** | + |
| **Grand Total** | = |

Maine residents and pickup orders **only**

| | | |
|---|---|---|
| continental US | up to $60<br>over $60 | $6<br>10% of **Adjusted Total** |
| AK, HI, APO/FPO | up to $60<br>over $60 | $12<br>20% of **Adjusted Total** |

❑ Donate all my refund to MOFGA
❑ Donate up to $5.00
❑ Donate up to $2.00

Deadline for discounts is August 12.
Deadline for early shipment items (#1011-1284, pp 6-9) is August 12.
Final order deadline is August 26.

We accept Visa or MasterCard — $25 minimum, please.

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |

Exp. Date

| | | | |
|---|---|---|---|
| | | | |

20B

# Fedco Bulbs 2011

Use this form for both early shipment and regular items. Keep a copy for your records.

| | Item # | Number of packages | Number of bulbs | Description | Price per package | Total price |
|---|---|---|---|---|---|---|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
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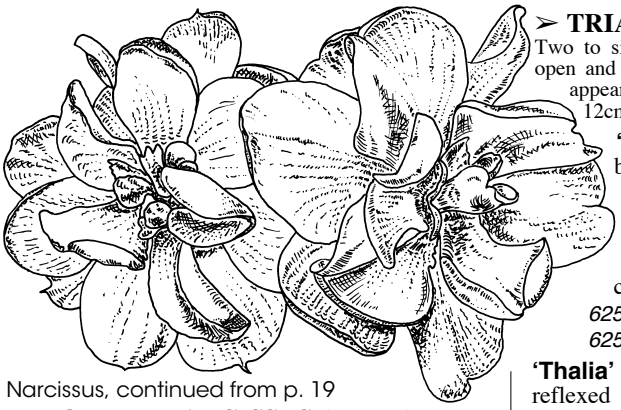
| 25 | | | | | | |
| 26 | | | | | | |

**Subtotal**
must be $10 or more

8/12/11: Deadline for discounts and for ordering early shipment items.
8/26/11: Final order deadline.
Order online at **www.fedcoseeds.com**.



Narcissus, continued from p. 19

➢ **DOUBLE NARCISSUS (DIV. 4)** - More than the usual number of petals and crowns, one or more flowers per stem. Fragrant and very showy, most prefer partial shade.

**'Delnashaugh'** - A superior fully double specimen. 4" ivory-white outer petals almost hidden by a profusion of ruffled rich apricot-pink and white centers. Long-lasting sterile flower. 14-18", MS-LS. ✦¢✦

*6201: 5 for $4.25 6202: 10 for $7.10*
*6203: 25 for $16.00 6204: 100 for $55.00*

**'Obdam'** - One of the best of the doubles and Diana's favorite, named for a town in North Holland. Fragrant, showy, fully doubled sport of 'Ice Follies', the 3-4" flowers open creamy with yellow highlights maturing to pure white with the slightest veins of green outside at the base. Like having gardenia or rose blooms in early May.... 16-18", MS-LS.

*6211: 5 for $6.25 6212: 10 for $10.50*
*6213: 25 for $25.00 6214: 100 for $88.00*

**'Sir Winston Churchill'** - Flowers 3" across are full of creamy white petals interspersed with orange flecks. 3-5 highly fragrant blossoms per stem. A sport of 'Geranium' and a sturdy robust blast-resistant grower. Long-lasting in garden or vase. 14-16", MS. ✦¢✦

*6221: 5 for $4.00 6222: 10 for $6.75*
*6223: 25 for $15.00 6224: 100 for $51.00*

**'Tahiti'** - Rich golden-yellow perianth layered with lush bright gold and orange-red segments. Large long-lasting blooms with standout color and fragrance come as close to tropical exuberance as you'll find in a New England spring. 14-18", MS-LS.

*6231: 5 for $6.25 6232: 10 for $10.50*
*6233: 25 for $25.00 6234: 100 for $88.00*

**Mixed Doubles Narcissus** - A round-robin mix of six or more double narcissus varieties for through-the-season ace performance. Landscape size. 12-18".

*6241: 10 for $7.00 6242: 20 for $12.00*
*6243: 50 for $28.00 6244: 200 for $98.00*

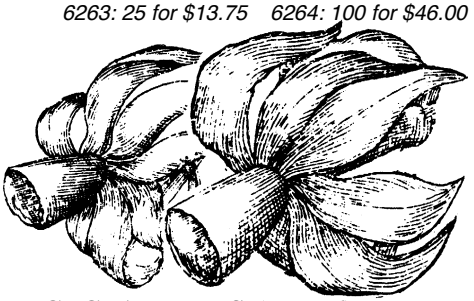
➢ **TRIANDRUS NARCISSUS (DIV. 5)** - Two to six small pendulous flowers per stem, with open and slightly twisted petals, and an airy delicate appearance. Fragrant flowers and slender foliage. 12cm/up.

**'Hawera'** - Pale lemon yellow miniature bred in New Zealand. 4-9 stems per bulb. Delightfully dainty flowers evoke graceful dancing fairies or butterflies. One of the smallest and most versatile narcissus. Opened on June 20 in semi-shade in cool rainy '05. ADS miniature. 6-8", LS.

*6251: 5 for $3.20 6252: 10 for $5.25*
*6253: 25 for $12.00 6254: 100 for $40.00*

**'Thalia'** - Milky white, with delicate narrow reflexed petals and an open ruffled trumpet. A favorite of many gardeners since its introduction in 1916, and one of the few white narcissus to open truly white. The muse of idyllic poetry, her name means "flourishing." Known as the "Orchid Narcissus," it's less pendulous and more outward-facing than other Triandrus. Great for forcing. 12-16", MS-LS.

*6261: 5 for $3.60 6262: 10 for $6.00*
*6263: 25 for $13.75 6264: 100 for $46.00*

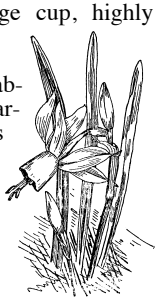


➢ **CYCLAMINEUS (DIV. 6)** - One flower per stem with reflexed (back-swept) petals. Nice counterpoint to the large trumpets of Division 1, which bloom at the same time. More shade-tolerant than other divisions. Like slightly acid soil, perform best in cool weather, and do well in grass. 12cm/up.

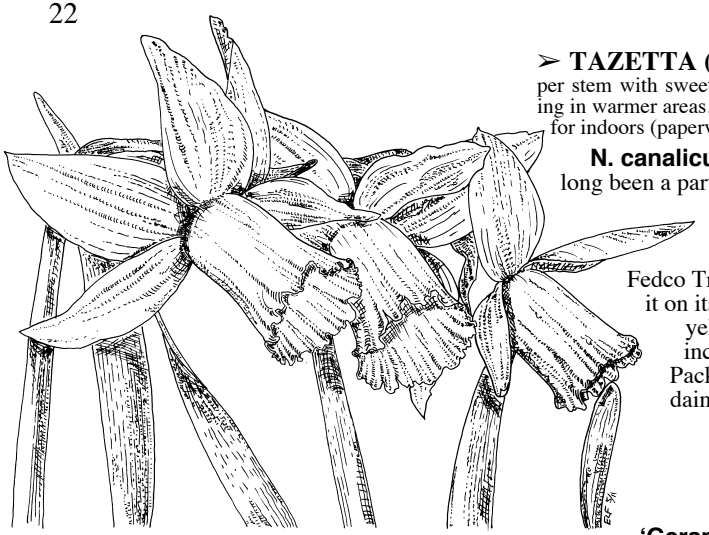
**'February Gold'** - Rich golden yellow with a slightly darker long frilled trumpet. This heirloom from 1923 is often the very first narcissus to bloom. The first 75 bulbs ordered will be organically grown in Maine. 6-10", VE-ES.

*6271: 5 for $3.00 6272: 10 for $5.00*
*6273: 25 for $11.50 6274: 100 for $39.00*

**'Jet Fire'** - Long bright orange cup, highly reflexed golden yellow petals. Susan's first-year planting was as vigorous and floriferous as an established clump, and Joanna's 15-year-old clump explodes with hundreds of flowers. This fire really lights up the garden. 6-10", ES.



*6281: 5 for $2.75*
*6282: 10 for $4.60*
*6283: 25 for $10.50*
*6284: 100 for $34.00*



➢ **TAZETTA (DIV. 8)** - Up to 20 small flowers per stem with sweet fragrance. Excellent for naturalizing in warmer areas, and for vases everywhere. Tazettas for indoors (paperwhites) are on page 5.

**N. canaliculatis** - This ADS miniature has long been a part of our Fragrant Narcissus Mix. But so many shoppers oohed and aahed, fondled and sniffed Roberta's bouquet at the 2010 Fedco Tree Sale, that I simply had to list it on its own. White petals with golden yellow cup, flowers are barely one inch across. 4-7 flowers on a stem. Packs a lot of aromatic pleasure in a dainty package. 4-5", MS. 12cm/up.

*6331: 5 for $2.75*
*6332: 10 for $4.60*
*6333: 25 for $10.50*
*6334: 100 for $34.00*

Narcissus, continued

➢ **JONQUILLA (DIV. 7)** - The true jonquil. Two to five sweetly fragrant short-cup flowers per stem and narrow grass-like leaves. Jonquils are well known in the South for naturalizing, prefer slightly alkaline soil. Z4-9.

**'Baby Moon'** - Lemon yellow, with unusually round small cup. Very fragrant. ADS miniature. 6-8", LS. 8cm/up.

*6291: 5 for $2.50* *6292: 10 for $4.25*
*6293: 25 for $10.00* *6294: 100 for $32.00*

**'Bell Song'** - Sunproof dainty pink cup, rose pink at the rim. Perianth opens pale yellow, turns ivory-white. Sweetly fragrant, lovely, prolific. 12-14", LS. 12cm/up.

*6301: 5 for $3.75* *6302: 10 for $6.25*
*6303: 25 for $14.50* *6304: 100 for $53.00*

**'Pipit'** - Opens lemon yellow; cup quickly matures to white, with a white ring on the petals near the cup. Very long bloom time. 10-14", MS. 12cm/up.

*6311: 5 for $2.75*
*6312: 10 for $4.60*
*6313: 25 for $10.50*
*6314: 100 for $37.00*

**'Quail'** - Two to four rich bronzy yellow flowers per stem. Flourishing high-spiritedly for over two weeks both in our garden and in our roadside naturalized planting. 12-14", MS. 12cm/up.

*6321: 5 for $3.50*
*6322: 10 for $5.75*
*6323: 25 for $13.50*
*6324: 100 for $48.00*

To find us online, go to **www. fedcoseeds.com** and click on Fedco Bulbs.

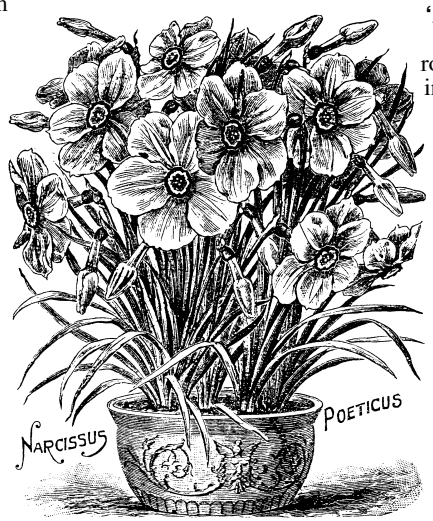
**'Geranium'** - Bright white petals with small vivid orange-red cup. Heavy clusters of up to 6 outward-facing fragrant flowers. Prolific. Z3-9, 12-14", MS-LS. 14/16cm. ✦¢✦

*6341: 5 for $3.00* *6342: 10 for $5.00*
*6343: 25 for $11.50* *6344: 100 for $39.00*

**'Minnow'** - Small flowers, some white, some pale yellow, all with buttercup-yellow cups. Tolerates shade. ADS miniature. Z5-9, 8", ES-MS. 10cm/up.

*6351: 5 for $2.60*
*6352: 10 for $4.30*
*6353: 25 for $10.00*
*6354: 100 for $32.00*

➢ **POETICUS (DIV. 9)** - Large late-blooming flowers feature a pure white perianth and a small bright eye. One flower per stem. The Poet's narcissus is considered by some to be the "true" narcissus.

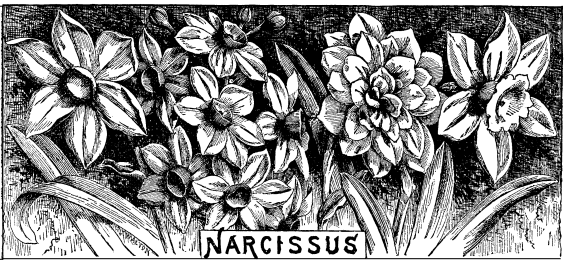



**'Actaea'** - Vigorous heirloom variety from 1927 with open rounded white petals surrounding a small red-rimmed yellow cup. Sweet fragrance. Performs much better in cool climates than warm and tolerates damp places other narcissus can't. The petals of 'Actaea' are rarely reflexed, unlike those of 'Pheasant's Eye', with which it is often confused and which blooms later. 16-18", MS-LS. 16cm/up.

*6361: 5 for $6.25*
*6362: 10 for $10.50*
*6363: 25 for $25.00*
*6364: 100 for $89.00*

Last fall I ordered and planted 200 bulbs of your Landscape Narcissus Mix and oh! My! How did I ever live before? The variety of shapes and colors! The scents! The longlastingness! Just this morning my husband remarked that they look like they are singing. Thank you Fedco for providing me (and by default my friends and neighbors) with the harmonious and melodic mix of springtime cheer.

Revitalizedly, Susannah Sanfilippo
Portland, Maine. May, 2011

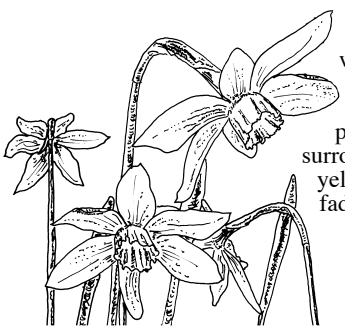



➢ **SPLIT CORONA (DIV. 11)** - The cup is split for at least a third of its length. Very showy; good in mass plantings, grouped in the border, or as cuttings.

**Butterfly Mix** - Shades of white, yellow, orange and gold, many with sunbursts of color radiating from the bicolor coronas. 14-18", MS-LS. Landscape size, 14-16cm.

*6371: 5 for $5.00* *6372: 10 for $8.50*
*6373: 25 for $19.00* *6374: 100 for $69.00*

➢ **MISCELLANEOUS (DIV. 12)** - This division includes all varieties that don't fit elsewhere.

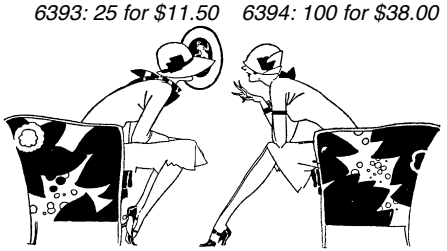


**Sara's Stars** Flowers open with six distinct light yellow daisy-like petals (the stars) surrounding a small yellow cup. Petals fade toward white as the blooms mature. We're still on the trail of their official name. Sara brought them to Maine in the early 1960s from Brookline, MA. Durable and prolific. 12-14", MS. *Limited supply*. Eco-Grown in Maine. 12cm/up.

*6381: 5 for $6.50* *6382: 10 for $10.75*
*6383: 25 for $25.50*

**'Tête-à-Tête'** - Buttercup yellow petals, deeper yellow-orange cups; generally two blooms per stem. Very popular, vigorous, and easy to grow; good for forcing and naturalizing. Handsome paired with 'Persian Pearl', the magenta and yellow species tulip. Used to be classed as a cyclamineus, does have slightly reflexed petals. ADS miniature. 6-8", ES-MS. 12cm/up.

*6391: 5 for $3.00* *6392: 10 for $5.00*
*6393: 25 for $11.50* *6394: 100 for $38.00*



➢ **NARCISSUS MIXES**

**Fragrant Narcissus Mix** - A mix of sweetly scented hardy narcissus. Great for fragrant daffodil bouquets. Taller varieties that will fill your rooms with inspiring fragrance, mostly from the Large Cup, Tazetta and Poeticus divisions. 14-18". Bloom times will vary. Landscape size.

*6401: 10 for $6.25* *6402: 20 for $10.50*
*6403: 50 for $25.00* *6404: 200 for $89.00*

**Kaleidoscope of Color** - Cover the whole blooming season from early to late spring with this exceptionally diverse mix of daffodils and other narcissus created by growing one thousand different varieties together. Designed for big-time landscaping, you'll want a bunch to get the full effect. 8-20". Topsize by variety; bulb size varies from 8-16cm.

*6411: 10 for $8.25* *6412: 20 for $14.00*
*6413: 50 for $31.00* *6414: 200 for $111.00*

**Landscape Mix** - If you're looking for a large splash of springtime inspiration that will last year after year, dig into our landscape mix. Mostly trumpets and large cups for naturalizing and broad-swath daffodil borders. 12-18". Landscape size. ✦¢✦

*6421: 10 for $4.40* *6422: 20 for $7.70*
*6423: 50 for $17.50* *6424: 200 for $58.00*

**Pink Narcissus Mix** - Field-grown mix of lovely pinks. May include 'Salomé' which opens yellow and fades to a soft pink. 12-18". Landscape size.

*6431: 10 for $6.60* *6432: 20 for $11.00*
*6433: 50 for $25.50* *6434: 200 for $92.00*

**Rockgarden Narcissus Mix** - Small varieties for borders and rockgardens provide a through-the-season banquet of blooms. Contains jonquilla, cyclamineus, triandrus and species narcissus. 4-16", Z4-9. Topsize by variety.

*6441: 10 for $5.00* *6442: 20 for $8.50*
*6443: 50 for $19.00* *6444: 200 for $64.00*

**Sunshine Narcissus Mix** - From some bright and creative mind comes this sunny bicolor-cup mixture. Large-cup narcissus of all colors are enhanced by cheery cup rims in red, orange or pink, with contrasting cup centers. A stand-out show of mid-season blooms. Landscape size. 14-18".

*6451: 10 for $5.70* *6452: 20 for $9.50*
*6453: 50 for $22.00* *6454: 200 for $79.00*

# Miscellaneous Bulbs

is the name the Royal General Bulbgrowers Association in Holland (KAVB) gives to this large group of flowers. The expensive catalogs call them specialty or accent bulbs; some call them minor or dwarf bulbs (even though some of the allia are huge!); Louise Beebe Wilder covers most of them in her 1936 *Adventures with Hardy Bulbs*. Whatever you call them, most are uncommonly sweet, delicate, colorful, and completely welcome in the spring.

## **Allium** - Flowering Onion

Large genus characterized by small florets held in large or small, loose or tight umbels. Sweet-smelling blooms make great fresh cutflowers or dried winter arrangements. Likes full sun and well-drained soil. Most repel pests, but only when crushed do they smell like onion.

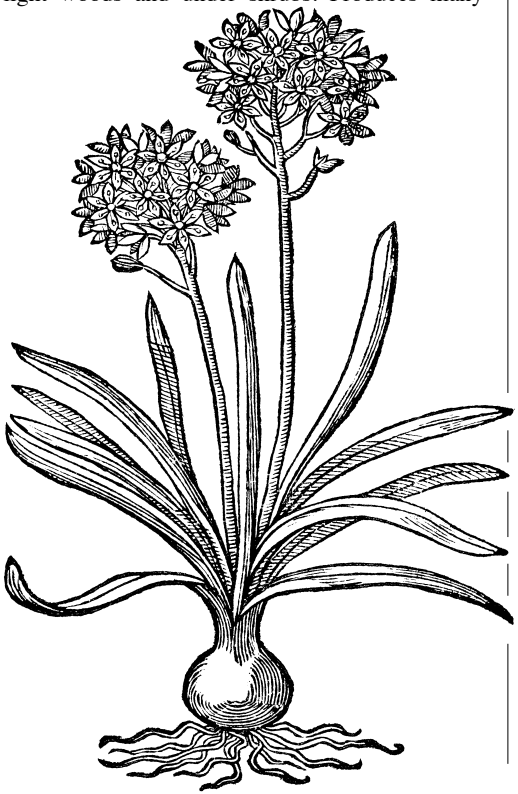
Also see #**7371** Nectaroscordum on page 29.

### ➢ LOW-GROWING ALLIUMS 6-16".

**A. caeruleum** - **Blue of the Heavens** - Syn. *A. azureum*. Gorgeous flax blue florets form 1½" dense umbel. Hardy variety from Siberia gradually forms large clumps. Leaves die back before flowering begins. Z3-8, 12-16", LS-SU. 5-6cm.

*7011: 10 for $3.25* *7012: 20 for $5.50*
*7013: 50 for $12.50* *7014: 200 for $42.00*

**A. moly** - **Lily Leek** or **Golden Garlic** - Formerly *A. luteum*. Bright yellow 2-3" umbel naturalizes easily in sunny borders, rock gardens, light woods and under shrubs. Produces many bulblets which mature quickly. Grows wild in southern Europe where it was used for centuries as a talisman. Z3-8, 6-8", LS-SU. 5cm/up.



*7021: 10 for $2.00* *7022: 20 for $3.25*
*7023: 50 for $8.00* *7024: 200 for $27.00*

**A. oreophilum** - Formerly *A. ostrowskianum*. Bright fuchsia-rose florets with darker midribs are held in a 2" umbel. The florets, larger than those of most allia, are lightly fragrant. One of the finest dwarfs. Z3-8, 8-10", LS. 4cm/up. ✦¢✦

*7031: 10 for $2.00* *7032: 20 for $3.25*
*7033: 50 for $8.00* *7034: 200 for $26.00*

**Small Allium Mix** - Our own fragrant mix of three of the smaller allia, in rose *(A. oreophilum)*, blue *(A. caeruleum)* and yellow *(A. moly)*. All will spread in time. Z3-8, 6-16", LS-SU. 4cm/up.

*7041: 10 for $2.25* *7042: 20 for $3.75*
*7043: 50 for $8.75* *7044: 200 for $30.00*

### ➢ MEDIUM-HEIGHT ALLIUMS 24-36".

**A. christophii** - **Star of Persia** - Formerly *A. albopilosum*. Largest flower of the genus, though not as dense as others, giving it a light airy appearance. 8-12" spheres of silvery pink-violet starry florets stand out in the garden; also great for cutting. Z4-8, 18-24", SU. 12cm/up.

*7051: 3 for $2.90* *7052: 6 for $4.70*
*7053: 12 for $9.25* *7054: 48 for $32.00*

**A. x hollandicum 'Purple Sensation'** - Formerly *A. aflatunense*. Dense 3-4" ball of deep violet-purple florets. Wonderful as a cutflower, or lined along a walkway or grouped in the border. Z4-8, 24-36", SU. 12cm/up.

*7061: 10 for $6.75* *7062: 20 for $11.50*
*7063: 50 for $27.00* *7064: 200 for $91.00*

**A. sphaerocephalon** - **Drumsticks** - Dense ovoid 1-2" heads have a haunting color that's hard to describe: burgundy, dark reddish maroon or maybe violet-red. Blooms lasted nearly a month in our 2004 garden. Wonderful with daylilies. Native to North America. Z3-8, 20-30", SU. 6cm/up. ✦¢✦

*7071: 10 for $2.40* *7072: 20 for $4.00*
*7073: 50 for $9.25* *7074: 200 for $29.00*

**A. s. 'Hair'** - This wild and wacky allium is as unruly looking as the characters in the Broadway play. A sport of *A. sphaerocephalon*, its variable-height scapes support purple 2" flower balls which send out slender 2-3" lime-green hairy "petals" (pedicels) in all directions from early July to midsummer. Z4-8, 12-32", SU. 5cm/up.

*7081: 5 for $3.00* *7082: 10 for $5.00*
*7083: 25 for $11.25* *7084: 100 for $37.00*

**Wild About Alliums Mix** - Five or more kinds of medium to tall alliums in colors of violet, purple and white; 2-4" sweet-scented umbels in early summer, 16-33". Topsize bulbs.

*7091: 10 for $5.40* *7092: 20 for $9.00*
*7093: 50 for $21.00* *7094: 200 for $72.00*

➢ **TALL ALLIUMS** 36-48".

**'Globemaster'** - Hybrid of *A. christophii*. Hundreds of deep lilac florets form a dense 6-8" ball. Spectacular long-lasting sterile flower attracts raves. Makes a remarkable dried flower for winter arrangements. Z4-8, 35-40", SU. 20cm/up.

*7101: 1 for $8.50* *7102: 2 for $16.00*
*7103: 3 for $22.50* *7104: 12 for $81.00*

**'Mount Everest'** - Like a big 6" snowball, large and showy. Really shines. Sturdy, vigorous, and long-lasting, it's the best white allium. A pure white form of 'Mars', itself a selection from *A. stipitatum*. Z4-8, 36-48", LS. 18cm/up.

*7111: 1 for $4.50* *7112: 2 for $7.50*
*7113: 3 for $10.25* *7114: 12 for $34.00*

## Anemone blanda
Grecian Windflower

Small enchanting daisy-like flowers with 10-15 petals around yellow centers. Does well in light shade and under deciduous trees. Easy to grow, forms compact clusters, with fern-like leaves. Nice ground cover. To break dormancy, soak corms in warm water for 24 hours before planting. Wild in southeastern Europe and Turkey, in scrub meadows and rocky crevices. Z5-9, 3-6", ES. 5cm/up.

**A. b. 'Blue Shades'** - Rich mixed shades of blue and violet.

*7121: 10 for $2.75*
*7122: 20 for $4.60*
*7123: 50 for $10.50*
*7124: 200 for $37.00*

**A. b. mix** - Lovely mix of blue, pink and white.

*7131: 10 for $2.75* *7132: 20 for $4.60*
*7133: 50 for $10.50* *7134: 200 for $36.00*

## Chionodoxa
Glory of the Snow

Delicate starlike flowers with white centers, 5-10 per raceme; tend to grow on one side of the stem. Does well in shade, woodland gardens and short grass as well as full sun; can eventually form colonies. Native to woods and mountains of Crete, Cyprus and western Turkey. Z3-8, 4-8", ES. 5cm/up.

**C. forbesii** - Formerly *C. luciliae*, *C. gigantea*. Soft blue petals, with white centers. This plus *Scilla siberica* makes a great blue lawn. ✦¢✦

*7151: 10 for $2.25* *7152: 20 for $3.75*
*7153: 50 for $8.50* *7154: 200 for $29.00*

**C. f. 'Alba'** - Lovely long-lasting all-white flowers. A wonderful complement to one of the colored varieties.

*7161: 10 for $3.20*
*7162: 20 for $5.25*
*7163: 50 for $12.00*
*7164: 200 for $43.00*

**C. f. 'Pink Giant'** - Blushing pink with white centers, sometimes bright pink at the edges.

*7171: 10 for $3.30*
*7172: 20 for $5.50*
*7173: 50 for $12.50*
*7174: 200 for $44.00*

**C. sardensis 'Deep Blue'** - Similar to *C. forbesii*, but deeper clearer blue with smaller but more profuse flowers and a smaller white eye. Slightly later and longer bloom time. 3-6", ES-MS.

*7181: 10 for $5.75*
*7182: 20 for $9.60*
*7183: 50 for $22.00*
*7184: 200 for $79.00*

## Camassia quamash
Indian Hyacinth

Formerly *C. esculenta*. Full yet loose spikes of starry blossoms do well around ponds, in moist areas of light woods and the garden. Violet-blue flower cones on strong stalks. A staple of the Nez Perce diet. Sacajawea dug the roots to help keep the Lewis & Clark expedition alive. Likes sun to partial shade. Blooms after most spring flowers are gone but before early summer flowers peak. Z3-8, 12-16", LS-SU. 6cm/up.

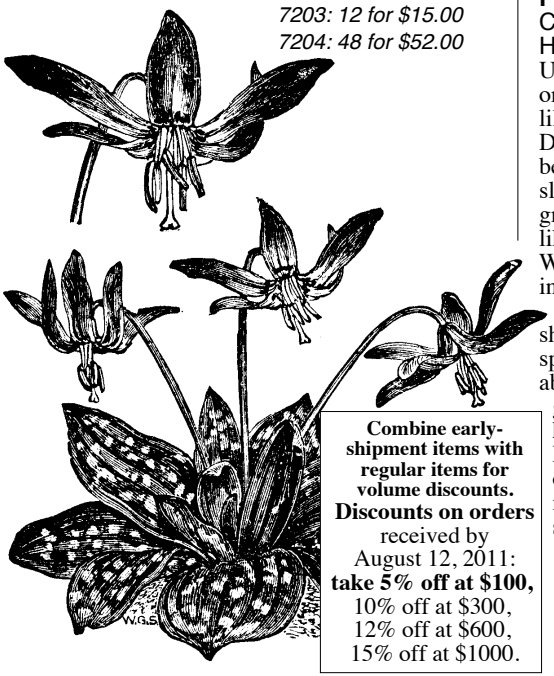
*7141: 5 for $2.50* *7142: 10 for $4.25*
*7143: 25 for $10.00* *7144: 100 for $33.00*

**Eranthis cilicica** - Winter Aconite
Bright buttercup yellow flowers with frilly green collar which opens bronzy. Very similar to *E. hyemalis* but slightly earlier, leaves more finely dissected. Good naturalized under deciduous trees and shrubs, can spread by seed. Prefers slightly alkaline, humusy moist soil in sun or dappled shade. Tolerant of frosts and late snows. Soak corms before planting. Z5-7, 2-4", VE. 4cm/up.

*7191: 10 for $5.00* *7192: 20 for $8.25*
*7193: 50 for $19.00* *7194: 200 for $69.00*

**Erythronium 'Pagoda'** - Trout Lily
Small graceful lily-like flowers, lemon yellow with brown spots. 2-10 blooms per plant. Mahogany-mottled soft green foliage. 'Pagoda' is a robust hybrid of two California species. Thrives in shady areas, in woodlands or under shrubs. May take a year to settle in before flowering; may spread to form colonies. Plant in rich soil high in organic matter about 4" apart. Z4-8, 6-12", MS. #1 transplants.

*7201: 3 for $4.80* *7202: 6 for $8.00*
*7203: 12 for $15.00*
*7204: 48 for $52.00*



**Combine early-shipment items with regular items for volume discounts.**
**Discounts on orders** received by August 12, 2011: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

**Fritillaria** - Fritillary
Unmistakable bell-like flowers in a variety of colors and arrangements on the stalk.

**F. imperialis**
Crown Imperial

Striking cluster of 3-6 bells, 2-3" long, hangs from a leafy crown atop a tall spike. Large basal whorl of glossy leaves. Likes full sun, requires good drainage. Plant bulb sideways to prevent crown rot. Can be very long-lived if left undisturbed. Skunky odor of bulbs repels critters. In cultivation since 1500s, native northern India to Iran. Z5-7, 26-30", MS. 20-24cm.

**'Aurora Maxima'** - Orange to the max in this deep reddish-orange variety in the 'Maxima' clan. Replaces 'Rubra' this year; add a new color to the back border. **NEW!**

*7211: 1 for $7.50* *7212: 2 for $12.50*
*7213: 3 for $17.25* *7214: 12 for $64.00*

**'Lutea Maxima'** - Clear lemon yellow flowers with light purple veining. ✦¢✦

*7221: 1 for $7.00* *7222: 2 for $11.75*
*7223: 3 for $16.00* *7224: 12 for $55.00*

**F. meleagris**
Checker Lily, Snake's Head Fritillary, Guinea Hen Flower
Unusual checkered 1 1/2" flowers are usually plum or bronze, but some are lilac-pink or white. Delicate single bells hang on slender grey-green grass-like stems. Will spread in a well-drained sheltered spot; also suitable in borders, grassy or humusy areas. Naturalized all over Europe in meadows and along streams. Z3-8, 10-14", MS. 6cm/up.

*7231: 10 for $3.80* *7232: 20 for $6.30*
*7233: 50 for $14.25* *7234: 200 for $48.00*

## Galanthus
Snowdrops or Milk Flower

Delicate frosty white 3-petaled bells with a touch of emerald green on the inner segments. Grey-green leaves. Often the first sign of life emerging from the melting snow. Very hardy and long-lasting, stands up to late snows, frosts and stiff spring winds. Prefers partial shade and heavy soil, tolerates moist soil; a cool spot in a woodland garden is perfect. Can naturalize in border or lawn. Grows wild in open woods throughout Pyrenees to Caucasus. Z3-8, 4-5", VE. 5cm/up.

**G. nivalis** var. **Flore Pleno** - Double Snowdrop - Fully doubled wide-spreading flower bell is completely filled with petals. Sterile, increases from bulblets. I like this charming variety—really packs the petal power!

*7241: 5 for $6.40* *7242: 10 for $10.60*
*7243: 25 for $25.25* *7244: 100 for $89.00*

**G. woronowii** - Compared to its more well-known cousins, this clump-forming snowdrop is slightly taller, has a bigger green spot on the inner petals, and bright green shiny leaves, which make a nicer groundcover than most snowdrops. Very popular in Europe. Native to the eastern shore of the Black Sea and the mountains of Georgia. 4-6". **NEW!**

*7251: 10 for $5.50*
*7252: 20 for $9.00*
*7253: 50 for $21.00*
*7254: 200 for $72.00*

Can't decide what to give as a gift?
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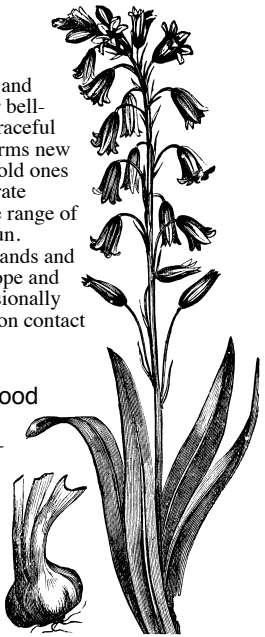
Send us payment, the recipient's name and any message, and whether we should send the certificate to you or to them, along with a catalog.

## Hyacinthoides
Bluebells

Similar to Scilla, but taller and later-blooming, with larger bell-shaped pastel flowers on graceful racemes. Self-seeds and forms new bulbs each year to replace old ones that shrivel. Bluebells tolerate shade, moisture and a wide range of soils, also do well in full sun. Native to deciduous woodlands and moist meadows in W. Europe and N. Africa. Gardeners occasionally experience skin irritations on contact with flowers or foliage.



### H. hispanica mix
Spanish Bluebell or Wood Hyacinth

Formerly *Endymion hispanicus* and before that *Scilla campanulata*. Nodding clusters of lovely 3/4" bells with wide mouths and reflexed tips on sturdy stems. Pastel mix of blue, pink, and white. Late blooms are good cutflowers or great for hiding foliage of early bulbs. Native to Spain and Portugal. Z3-9, 8-12", LS. 8-10cm.

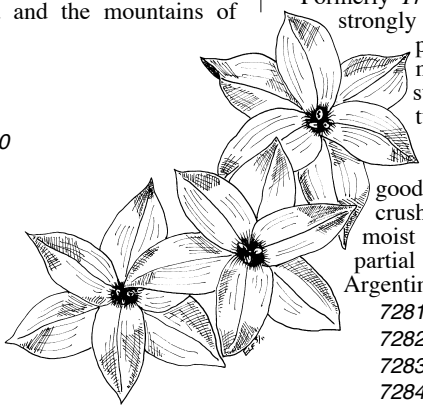
*7261: 10 for $5.00* *7262: 20 for $8.50*
*7263: 50 for $19.00* *7264: 200 for $71.00*

### H. non-scripta
English Bluebell

Formerly *Endymion non-scriptus*, *Scilla non-scripta*, and *S. nutans*. Violet-blue flowers, delicately scented, with 1/2–3/4" petals, narrower than *H. hispanica*, with curled-back tips and cream-colored anthers. Arching single-sided racemes grow 4-8" above glossy green leaves. Originally from England and W. Europe. Z5-8, 12-18", MS. 6cm/up.

*7271: 10 for $5.90* *7272: 20 for $9.75*
*7273: 50 for $22.50* *7274: 200 for $82.00*

**Ipheion uniflorum** - Spring Starflower



Formerly *Tritelia uniflora*. Starry 1" flowers, strongly honey scented. Color ranges from pale blue to soft violet with darker midribs. Several single-flowered stems arise from each pest-resistant tuber. Easy and attractive, performs best when slightly crowded. Grass-like leaves emerge in fall, make good edging, smell like garlic when crushed. Good in pots or naturalized in moist but well-drained soil, full sun to partial shade. Native to Uruguay and Argentina. Z5-10, 4-6", LS. 3cm/up.

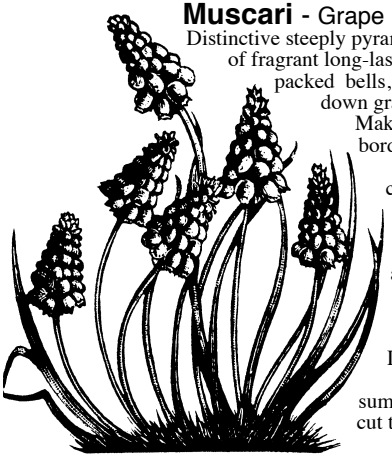
*7281: 10 for $2.90*
*7282: 20 for $4.75*
*7283: 50 for $11.00*
*7284: 200 for $38.00*

**Leucojum aestivum var. Gravetye Giant**
Summer Snowflake or Lodden Lily

This year we offer the Giant, which has 30% larger bulbs, 50% taller plants and up to 100% more flowers per stem than the plain species for just 20% higher cost. Same pure white bells with scalloped edges and green spots and up to three times the height of snowdrops. This extraordinarily tall Summer Snowflake has 5-9 faintly violet-scented flowers per stem, reminds us of giant lilies-of-the-valley. Blooms for several weeks. Will spread in a damp—but not wet—location; prefers heavy soil and bright light, but not direct direct sun. Species is native from Ireland to the Caucasus. Z4-9, 18-36", LS. 13-14cm. ✦¢✦ **NEW!**

*7291: 5 for $4.50* *7292: 10 for $7.50*
*7293: 25 for $17.00* *7294: 100 for $75.00*

**Muscari** - Grape Hyacinths



Distinctive steeply pyramidal spikes of fragrant long-lasting densely packed bells, like upside-down grape clusters. Makes attractive borders, edging, or brightly colored filler between other bulbs. They thrive and increase except in damp or shady areas. Divide when dormant in summer. Do not cut their autumn leaves.

**M. armeniacum** - Long racemes of bright cobalt blue with subtle white rims; good for forcing, cutting, naturalizing and filling in the border. Fragrant. The most commonly grown grape hyacinth and a great counterpoint to red, yellow, white, salmon, peach.… Z4-9, 6-8", MS. 8-9cm.

*7301: 10 for $2.40* *7302: 20 for $4.00*
*7303: 50 for $9.00* *7304: 200 for $27.00*

**M. a. 'Blue Spike'** - Tightly packed doubled flowers in bright flax blue. Sterile; flower lasts longer than other Muscari, but is slower to spread. Z4-9, 6-8", MS. 8-9cm.

*7311: 10 for $3.60* *7312: 20 for $6.00*
*7313: 50 for $13.75* *7314: 200 for $44.00*

**M. a. 'Peppermint'** -

Lovely tricolor flower is pale sky blue at the base, ice blue mid-way and the whitest blue imaginable at the top. Z3-8, 6-8", MS. 7-8cm. **NEW!**

*7321: 10 for $4.95*
*7322: 20 for $8.25*
*7323: 50 for $18.50*
*7324: 200 for $69.00*

**M. botryoides 'Album'** - Pearls of Spain - Sweetly perfumed pure white bells. Slender racemes look best when closely planted. Z3-8, 4-6", MS. 6cm/up.

*7331: 10 for $4.75* *7332: 20 for $8.00*
*7333: 50 for $18.00* *7334: 200 for $63.00*

**M. latifolium** - Tall, with a large dense bicolor flower; top third is cobalt blue fading to lilac, the bottom is dark violet. Unusual single side leaf. The earliest of all Muscari. Each year we like these more and more. Z2-6, 8-12", MS. 6cm/up.

*7341: 10 for $3.25* *7342: 20 for $5.50*
*7343: 50 for $12.50* *7344: 200 for $42.00*

**Muscari Bluezz Mix** - A jazzy little quartet of blue and white. Contains *M. armeniacum*, *M. botryoides* 'Album', *M. latifolium*, plus chunky double *M. a.* 'Blue Spike'. 6-8cm, 4-12", ES-MS.

*7351: 10 for $3.20* *7352: 20 for $5.25*
*7353: 50 for $12.00* *7354: 200 for $39.00*

Included in each heading or description are USDA hardiness zones, approximate height at flowering time, relative bloom times {codes: VE, very early spring; ES, early spring; MS, mid-spring; LS, late spring; SU, summer (within summer, we use early, mid & late to describe relative season)}, bulb size, and item numbers with quantities and prices. ✦¢✦ indicates an exceptionally good deal.

**Nectaroscordum siculum**
Sicilian Honey Garlic
Robust relative of the alliums bears up to 30 delicate pendulous bell-shaped 1/2-1" flowers on 2" weeping umbels from the top of slightly arching stems. The cream-colored florets are tinged purplish-rose. Sharply keeled 12-16" basal leaves smell of garlic only when crushed. Plant in sun to semi-shade. With protection, Z5-9. 24-36", LS-SU. 6cm/up.

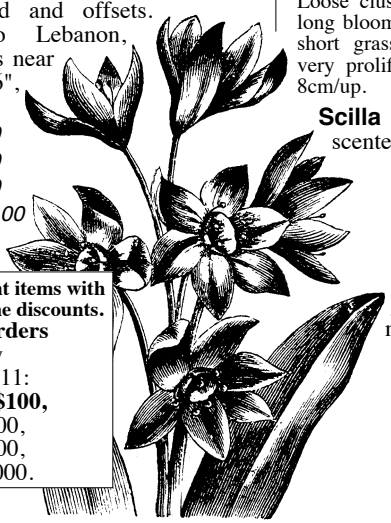
*7361: 5 for $3.00*
*7362: 10 for $5.00*
*7363: 25 for $11.50*
*7364: 100 for $34.00*

**Ornithogalum umbellatum**
Nap-at-Noon or Star-of-Bethlehem
Delicate 3/4" star-shaped flowers, white with a green rib on the outside, 6-20 florets per bulb. Hardy and easy; great for rockgarden or naturalizing, increases from bulb and by seed. Native to Europe and North Africa. Z4-10, 4-12", LS-SU. 6cm/up.

*7371: 10 for $4.20*
*7372: 20 for $7.25*
*7373: 50 for $16.75*
*7374: 200 for $59.00*

**Puschkinia scilloides**
Striped Squill
Formerly *P. libanotica*. Compact racemes of pale blue flowers, striped with darker blue. 4-10 open bells per stem. Plant in full sun or light shade as drifts, in borders, or under trees. Very hardy and easy to naturalize. Can quickly form colonies; spreads by both seed and offsets. Native Caucasus to Lebanon, especially in grasslands near the snow line. Z3-8, 4-6", ES. 5cm/up. ✦¢✦

*7381: 10 for $2.40*
*7382: 20 for $4.00*
*7383: 50 for $9.00*
*7384: 200 for $31.00*



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**Scilla** - Squill
Very hardy genus of drooping bells and upright stars. May be the most shade-tolerant bulb but also performs well in sun. Freely produces seed and spreads readily.

**S. bifolia 'Rosea'** - Twin-Leaf Squill
Soft pink starry flowers with pale centers face upward in clusters on 4" stalks. Up to 10 small flowers per stem. Long narrow channeled leaves. Earliest to bloom of all the scilla, and lovely dancing in the spring wind. Prefers a cool spot. Very popular in its native Europe; Susan loves this delightful pink. Z4-8, 4-6", VE. 5cm/up.

*7391: 10 for $4.50* *7392: 20 for $7.90*
*7393: 50 for $17.75* *7394: 200 for $63.00*

**S. siberica** - Siberian Squill
Loose clusters of delicate pendant bells with a very long bloom time. Prefers cool places, under shrubs, in short grass. Excellent naturalizer, amazingly hardy, very prolific, can form great drifts. Z2-8, 6-8", ES. 8cm/up.

**Scilla siberica** - Bright flax blue. Lightly scented.

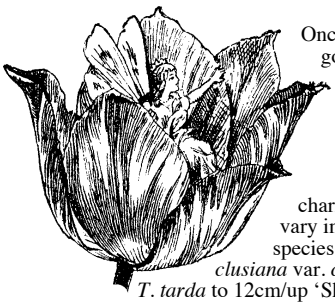
*7401: 10 for $2.80*
*7402: 20 for $4.75*
*7403: 50 for $10.75*
*7404: 200 for $36.00*

**S. siberica 'Alba'** - Pure white. More gardeners should try this lovely white naturalizer. ✦¢✦

*7411: 10 for $4.90*
*7412: 20 for $8.20*
*7413: 50 for $18.50*
*7414: 200 for $66.00*

# Species Tulips

are the original "wild" tulips and their cultivars that still have a "wild" look, though all our stock is nursery-propagated from commercial sources and not collected in the wild. Once established with good drainage, they tend to naturalize, unlike many of the hybrid tulips. Not tall, showy or formal, they have their own halfling charms. Topsize bulbs vary in size according to species, from 5cm *Tulipa clusiana* var. *chrysantha* to 8cm *T. tarda* to 12cm/up 'Shogun'.



**T. batalinii 'Bronze Charm'** - Soft sulphur yellow becoming subtly flushed with apricot. More classic tulip shape than other species tulips. Delicate 2" miniature makes the perfect complement to a tiny tea party. Light fragrance. Wavy leaves with red margins in a rosette. Z3-8, 4-6", MS-LS.

*8011: 5 for $2.75* *8012: 10 for $4.60*
*8013: 25 for $10.50* *8014: 100 for $39.00*

**T. clusiana** - Peppermint Stick or Lady Tulip Pointed petals are white inside with a dusty crimson-pink exterior edged with white. When closed morning, evening and cloudy days, looks like candy. Opens wide in the sunshine to a big white star. One or two flowers per bulb. A good perennializer if left undisturbed. Species native to Himalayas. Z4-8, 8-12", MS.

*8021: 5 for $3.50* *8022: 10 for $6.00*
*8023: 25 for $13.75* *8024: 100 for $47.00*

**T. c.** var. **chrysantha** - Syn. *T. chrysantha* - Rich golden yellow inside and out, accented with a large crimson blush on the outer petals. Opens wide in the sunshine. Wavy-edged basal leaves, 1-3 flowers per bulb. Introduced to commerce in 1607. Z4-8, 6-10", MS-LS.

*8031: 5 for $2.50*
*8032: 10 for $4.40*
*8033: 25 for $10.25*
*8034: 100 for $34.00*

**T. humilis 'Persian Pearl'** - Dusky magenta outside, lightly veined green. Inside deep violet-magenta with a bright yellow base. Opens wide in sun offering cheery color and sweet scent. Species native to mountains of Kurdistan. Z4-8, 4-8", ES-MS. ✦¢✦

*8041: 5 for $2.40* *8042: 10 for $4.00*
*8043: 25 for $9.00* *8044: 100 for $31.00*

**T. linifolia** - Fluorescent scarlet pointed petals with a purple-black base. Possibly the brightest red tulip. Petals open fully in sun, close at night. Red-edged very wavy grey-green basal leaves. Attracting attention since 1884. Z4-8, 6-8", MS/LS.

*8051: 5 for $3.00* *8052: 10 for $5.00*
*8053: 25 for $11.50* *8054: 100 for $41.00*

**T. praestans 'Shogun'** - Striking 3" blooms of all-over soft golden yellow, with orange and red rays projecting from black-anthered red-orange interior base. Multifloral; opens fully in bright sun. Last year our supplier sent some *T. praestans* 'Unicum', an orange-red flower with variegated foliage; let us know if you need a replacement or refund. Z4-8, 10-12". MS. 12/cm up.

*8061: 5 for $3.50* *8062: 10 for $5.75*
*8063: 25 for $13.25* *8064: 100 for $47.00*

**T. saxatilis** - Pointed lilac-pink petals with a prominent yellow base. 1-3 flowers per stem, long bright green shiny leaves. Very easy, spreads by runners. Likes hot summers, poor soil. Native to Crete. Z4-10, 6-8", LS.

*8071: 5 for $2.90* *8072: 10 for $4.75*
*8073: 25 for $11.00* *8074: 100 for $39.00*

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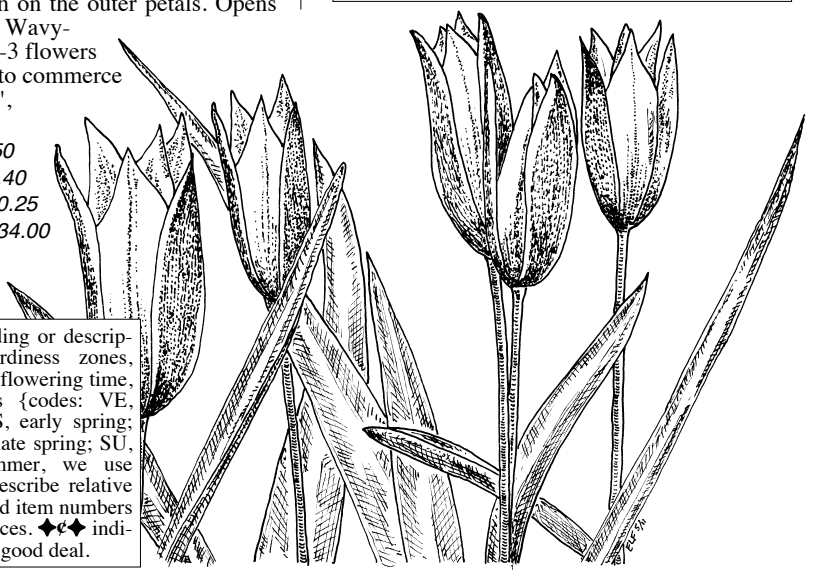
Send us payment for the amount, the recipient's name, and whether we should send the certificate to you or to them, along with a catalog.



Included in each heading or description are USDA hardiness zones, approximate height at flowering time, relative bloom times {codes: VE, very early spring; ES, early spring; MS, mid-spring; LS, late spring; SU, summer (within summer, we use early, mid & late to describe relative season)}, bulb size, and item numbers with quantities and prices. ✦¢✦ indicates an exceptionally good deal.

**T. tarda** - Syn. *T. dasystemon* - Star-shaped yellow flowers with white tips, outside white flushed with purple. Very multi-floral, 4-6 flowers per bulb. Wonderful rosette of wavy basal leaves. One of the easiest to grow, spreads readily, and very long-lived. 100 tulips at 25¢ each! Z3-8, 4-5", MS. ✦¢✦

*8081: 5 for $1.90*
*8082: 10 for $3.20*
*8083: 25 for $7.50*
*8084: 100 for $25.00*

**T. turkestanica** - One of the earliest tulips, with graceful pendulous flowers, up to 5 per stem, that sway along slender stems like wildflowers dancing in the breeze. White petals with yellow centers, flushed greyish violet outside. Flowers close up at night and on cloudy days. Very easy to grow. Native to eastern Tien Shan mountains. Z4-8, 6-8", ES-MS.

*8091: 5 for $2.75*
*8092: 10 for $4.60*
*8093: 25 for $10.50 8094: 100 for $37.00*

**T. vvedenskyi 'Tangerine Beauty'** - More like a blendered blood orange with the mix of such rich color. Brilliant red - orange sensually suffuses to yellow-orange at the center of each petal. Slightly twisting 2" petals open wide in full sun slightly reflexed 8-10" tall above broad blue-green foliage. Registered 1980. MS-LS. **NEW!**

*8101: 5 for $4.20 8102: 10 for $7.00*
*8103: 25 for $16.50 8104: 100 for $58.00*

**Little Stars Rockgarden Mix** - Cheerful star-shaped multifloral tulips whose low-growing spreading habits make them perfect for a rock garden. Contains a mix of *T. tarda*, *T. saxatilis*, *T. humilis* 'Persian Pearl', *T.* 'Little Beauty' (deep reddish-pink petals and a steel-blue center edged with a lighter ring), and *T.* 'Little Princess' (burnt orange blushed with pink and a black center bordered with yellow), and other little stars. 4-6". Z4-8.

*8111: 10 for $3.60 8112: 20 for $6.00*
*8113: 50 for $13.75 8114: 200 for $49.00*

**Botanical Tulip Collection** - Sixty bulbs, six different species tulips to ensure color throughout the spring for years to come in rock gardens or "close-by" borders. Ten each of *T. humilis* 'Persian Pearl', *T. batalinii* 'Bronze Charm', *T. linifolia*, *T. saxatilis, T. tarda*, and *T. turkestanica*, individually packaged and labeled. See descriptions above for color details. Plants 5-6 sq. ft. Z4-8.

*8121: 1 for $25.00 8122: 2 for $47.00*

# Garden Tulip Mixes

All contain topsize bulbs, 12cm/up.

**Color Parade** - A multi-colored gaggle of showy shorties strut their stuff early in the season. Pink, red and yellow Kaufmanniana and Greigii tulips, both solids and bicolors, singles and multiflorals with lots of variegated foliage. 8-12".

*9021: 10 for $6.75*
*9022: 20 for $11.50*
*9023: 50 for $27.00*
*9024: 200 for $99.00*

**Non-Stop Reds Tulip Mix** - Celebrate spring with a long-lasting patch of bright red color. Blend of five or more varieties selected from early, mid and late tulips. Keep that spring fire burning for weeks, come rain or shine. 12-24".

*9031: 10 for $6.40*
*9032: 20 for $10.60*
*9033: 50 for $25.25*
*9034: 200 for $91.00*

**Princess Family Tulip Mix** - All the members of this rich family sport a characteristic plum-violet rib flame. Includes 'Prinses Irene' (a delicious salmon-orange Triumph) and members of her royal family: her father 'Coleur Cardinal' (a deep crimson Triumph); her daughter 'Orange Princess' (a nasturtium-orange Double Late); and her sister 'Rococo' (a rich red Parrot), all with flames and feathers of plum. My partner Diana is particularly fond of this mix and describes it as rich, voluptuous and earthy. 12-14". MS-LS.

*9041: 10 for $7.75 9042: 20 for $13.25*
*9043: 50 for $29.75 9044: 200 for $104.00*

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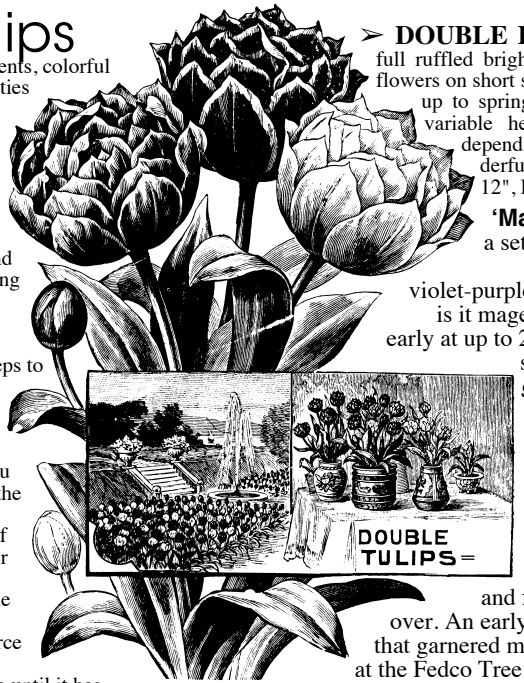
# GardenTulips

are wonderful massed or as accents, colorful highlights of spring. Most varieties are also good for cutting.

For many people, tulips are annuals to be removed and replaced yearly. Other gardeners dig their tulips in early summer after the foliage has died back to brown, ripen the bulbs in a cool dry place, and replant in fall—a time-consuming process which increases the probability of blooms the next year.

You can also take simpler steps to encourage your tulips to come back. Choose a sunny location and plant the bulbs 8-10" deep in well-drained soil, 3-4 weeks before the ground freezes. If you encounter heavy subsoil, plant the bulbs 4-6" deep and build up a bed on top. Tulips need 1/2-1" of rain during spring growth; water during drought. Overplant with annuals or perennials to keep the soil dry during the summer. Deadhead tulips regularly to force the plant's energy back into the bulb. Don't cut or tie the foliage until it has begun to yellow. Z3-7. Topsize bulbs, 12cm/up except where we specify Jumbo.




See p. 12 for collections containing Tulips, and p. 31 for more Tulip mixes.

➢ **KAUFMANNIANA HYBRIDS** have large flowers which open wide in the sun. Low-growing compact gems in striking colors. Long-lived flowers perennialize dependably. Almost as early as crocus. Too short for cutflowers, but provide reliable exuberant color in the spring garden. 6-10", VE.

**'Giuseppe Verdi'** - Tall pointed rose petals with wide golden-yellow edges. Interior yellow blushed with soft red. Mottled foliage. 10-12".

*9051: 5 for $3.60* *9052: 10 for $6.25*
*9053: 25 for $14.00* *9054: 100 for $49.00*

➢ **SINGLE EARLY** tulips have large long-lasting flowers. The oldest class of cultivated tulips, many are fragrant. Often perform best in cooler springs; strong stems stand up to spring winds and rain. Good for forcing and bedding. ES.

**'Apricot Beauty'** - Soft apricot-pink tinged with rose and salmon on a light green base. Fragrant, truly lovely, and one of the world's best-selling tulips. 14-16".

*9061: 5 for $4.00* *9062: 10 for $6.60*
*9063: 25 for $14.75* *9064: 100 for $51.00*

**'Purple Prince'** - Deep bluish-purple with dusky lilac flames, reddish-purple inside. Large flowers with a scalloped edge. 12-14".

*9071: 5 for $2.75* *9072: 10 for $4.60*
*9073: 25 for $10.50* *9074: 100 for $37.00*

➢ **DOUBLE EARLY** - tulips have full ruffled brightly colored long-lasting flowers on short sturdy stems which stand up to spring rainstorms. Somewhat variable height and bloom time, depending on parentage. Wonderful for beds and cutting. 8-12", ES.

**'Margarita'** - Just as full a set of gleaming petals as you could want. Deep violet-purple with a hint of red, or is it magenta? Tall for a double early at up to 20". Spectacular in the sun. MS. **NEW!**

*9081: 5 for $4.00*
*9082: 10 for $6.60*
*9083: 25 for $14.75*
*9084: 100 for $52.00*

**'Monsella'** - Eye-catching big golden-yellow 5" blossoms with flames and flares of scarlet red all over. An early "double-peony" look that garnered much attention last year at the Fedco Tree Sale.

*9091: 5 for $3.90* *9092: 10 for $6.50*
*9093: 25 for $14.50* *9094: 100 for $49.00*

**Double Early Mix** - A sassy group of four or more early doubles for the front row of your garden beds and borders. MS; 10-12".

*9101: 10 for $7.25* *9102: 20 for $12.50*
*9103: 50 for $31.00* *9104: 200 for $108.00*

➢ **FOSTERIANA** tulips bloom early, with narcissus. Rich vivid large single flowers have enormously long petals. Reasonably long-lived, good for forcing. 12-16", ES.

**'Orange Emperor'** - Deep salmon-orange shimmering with yellow on a yellow base. Susan was ecstatic about how well they work with daffodils and pink tulips in bouquets.

*9111: 5 for $3.75* *9112: 10 for $6.25*
*9113: 25 for $14.25* *9114: 100 for $48.00*

**'Red Emperor'** - Huge blooms of fiery red on a black and yellow base. One of the all-time favorites; also known as '**Madame Lefebre**'. ✦¢✦

*9121: 5 for $3.25* *9122: 10 for $5.50*
*9123: 25 for $12.50* *9124: 100 for $43.00*

**'White Emperor'** - Milky white with a light yellow base. Lovely and fragrant. Also known as '**Purissima**'.

*9131: 5 for $3.75* *9132: 10 for $6.25*
*9133: 25 for $14.25* *9134: 100 for $48.00*

**Emperor Mix** - A royal mix of Fosterianas for big, bold, early color.

*9141: 10 for $7.00* *9142: 20 for $12.00*
*9143: 50 for $28.00* *9144: 200 for $85.00*

➢ **TRIUMPH** tulips result from crossing Single Late varieties with Single Early, and have the widest range of colors. The best class of tulips for forcing, also widely grown for cutflowers. Foliage dies back early; easily removed or overplanted. MS.

**'Gavota'** - Striking deep burgundy with a large sunny yellow edge, and a primrose yellow base. Pointed flower petals. The margin between the yellow and burgundy fades to white as the flower matures. Shall we dance? **NEW!**

*9151: 5 for $4.25* *9152: 10 for $7.00*
*9153: 25 for $16.50* *9154: 100 for $57.00*

**'Happy Family'** - Rich carmine pink with softer pink edges. Multifloral: forms a whole "family" of 4-5 blooms per stem. Extended bloom period. Forces well. 18-20".

*9161: 5 for $5.00* *9162: 10 for $8.50*
*9163: 25 for $19.00* *9164: 100 for $69.00*

**'Jan Reus'** - This tall guy is known in England as '**Giant John**'. Velvety deep dark red with darker veins provides a magical maroon richness in garden or vase. One of my favorites. 20-24".

*9171: 5 for $3.75* *9172: 10 for $6.25*
*9173: 25 for $14.50* *9174: 100 for $51.00*

**'Passionale'** - Lilac-purple with deeper purple flames, beetroot interior with a yellow base. 14-16".

*9181: 5 for $3.50* *9182: 10 for $5.75*
*9183: 25 for $13.50* *9184: 100 for $47.00*

**'Prinses Irene'** - Stunningly rich salmony-orange petals are finely etched with a plum-violet flame. Fragrant. Popular for forcing. 12-14".

*9191: 5 for $3.75*
*9192: 10 for $6.25*
*9193: 25 for $14.50*
*9194: 100 for $51.00*

To help mask yellowed bulb greens as the plants go dormant, interplant with later-emerging plants such as lilies, rhizomatous iris, daylilies, or hosta.

**Combine early-shipment items with regular items for volume discounts.**
**Discounts on orders** received by August 12, 2011: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

**'Shirley'** - Delicate marble-ivory with a fine purple edge which evolves into a broad lavender blush as the flower matures. Shows a different color every day. 18-20".

*9201: 5 for $4.00* *9202: 10 for $6.60*
*9203: 25 for $14.75* *9204: 100 for $52.00*

**Pastel Triumph Mix** - Soft but not wishy-washy, easy on the eyes with no sharp edges, just quiet beauty. This calming blend's display will promote tranquility in the neighborhood. Topsize Triumph bulbs. ✦¢✦

*9211: 10 for $4.50* *9212: 20 for $7.90*
*9213: 50 for $17.75* *9214: 200 for $61.00*

**Shock the Neighbors** - Your neighbors plant only red and yellow tulips? Wake them up with our mix. Years ago Gene planted 'Prinses Irene' with 'Orange Emperor' and 'Purple Prince', her royal counterparts and color complements, and really fell for the beautiful vibrant combination. Overplant with 'Jolly Joker' pansies for maximum effect. Our formula mix of topsize bulbs.

*9221: 10 for $6.60* *9222: 20 for $11.00*
*9223: 50 for $26.00* *9224: 200 for $94.00*

➢ **GREIGII** bear large wide-opening flowers. Good for bedding and forcing, bulbs tend to be long-lived and perennialize well. Attractive foliage streaked and/or mottled in burgundy. 8-12", MS.

**'Red Riding Hood'** - Bright flowers are carmine-red outside, scarlet-orange inside with a black base. It's also multifloral: its 3-5 flowers per stem add up to a prolific bloom. 12-14" MS. **BACK!**

*9231: 5 for $3.75* *9232: 10 for $6.25*
*9233: 25 for $14.50* *9234: 100 for $51.00*

**'Toronto'** - Deep salmon pink tinged with red. Multifloral: 3-5 flowers per stem. 12-14".

*9241: 5 for $3.75* *9242: 10 for $6.25*
*9243: 25 for $14.50* *9244: 100 for $50.00*

➢ **DARWIN HYBRID TULIPS** are often sold as "Perennial Tulips" because they can last years longer than many other large tulips. They result from crossing old Darwin varieties with Fosteriana. Large long-blooming weather-resistant flowers in brilliant colors borne on tall sturdy stems. 20-30", MS.

**'Apeldoorn's Elite'** - When I was in Washington at that state's Tulip Festival in early April, one of the few tall tulips blooming in the fields was this stunner. Brilliant vermilion petals edged in buttercup. A purple-black base inside is clearly outlined in yellow. 20-22". MS. **NEW!**

*9251: 5 for $3.25* *9252: 10 for $5.40*
*9253: 25 for $12.25* *9254: 100 for $43.00*

**'Daydream'** - Opens yellow, matures to rich apricot, with touches of yellow and rose. Fragrant. Stunning, says Gene.

*9261: 5 for $3.25* *9262: 10 for $5.40*
*9263: 25 for $12.25* *9264: 100 for $43.00*

**'Golden Oxford'** - Big bold golden-yellow flowers, occasionally touched with red at the petal's rim. Pair it with 'Parade' for a quintessential tulip combination.

*9271: 5 for $2.80* *9272: 10 for $4.60*
*9273: 25 for $10.50* *9274: 100 for $37.00*

**'Gudoshnik'** - Creamy yellow with varying and growing amounts of amounts of red streaks, dapples and flames. No two are alike; one of Gene's favorites and he has a connoisseur's eye. Impressive en masse or solo.

*9281: 5 for $4.00* *9282: 10 for $7.00*
*9283: 25 for $15.00* *9284: 100 for $55.00*

**'Ollioules'** - Silvery pink with lavender undertones heavily brushed on a pinky cream flower. Edges fade to white with maturity. Wonderfully elegant. Ollioules (pronounced *ole-yule*) is a town at the center of the French flower industry.

*9291: 5 for $3.40* *9292: 10 for $5.60*
*9293: 25 for $12.75* *9294: 100 for $44.00*

**'Parade'** - Big dramatic signal-red blooms on a yellow-edged black base. Similar to and replaces 'Oxford' this year due to its extraordinarily affordable price. 22-24". ✦¢✦ **NEW!**

*9301: 5 for $2.25* *9302: 10 for $3.75*
*9303: 25 for $8.50* *9304: 100 for $29.00*

**'Pink Impression'** - Deep rose exterior with deeper veins and pink flames, delicate pink edges; inside light pink and pale rose. Taller and larger than most and quite gorgeous. 30-36".

Jumbo '**Pink Impression**', 14cm/up.

*9311: 5 for $4.40* *9312: 10 for $7.70*
*9313: 25 for $17.50* *9314: 100 for $62.00*

Topsize '**Pink Impression**', 12cm/up.

*9321: 5 for $3.50* *9322: 10 for $5.75*
*9323: 25 for $13.50* *9324: 100 for $49.00*

**Darwin Hybrid mix** - A mix of yellow, red, apricot, white, pink and more. Makes a perennially perfect bouquet.

*9331: 10 for $5.50* *9332: 20 for $9.00*
*9333: 50 for $21.00* *9334: 200 for $78.00*

➢ **SINGLE LATE** tulips, also known as Mayflowering tulips, encompass the former categories of Cottage tulips (which had squared petal tops), Darwin tulips (which had rounded tops) and Breeder tulips (which were used by English florists). Many new varieties are sports and seedlings of 'Mrs John T Scheepers' and 'Temple of Beauty.' Large late-spring blooming flowers in a wide range of colors, particularly suitable for cutting. 20-28", LS.

**'Cum Laude'** - About as close to blue as you're going to get in a tulip. Large flowers of campanula-violet with a slight wave at the edges. White at the base. **BACK!**

*9341: 5 for $4.10* *9342: 10 for $6.85*
*9343: 25 for $15.40* *9344: 100 for $57.00*

**'Kingsblood'** - Dark cherry red with scarlet edges. One of the best reds: large, long-lasting and sturdy.

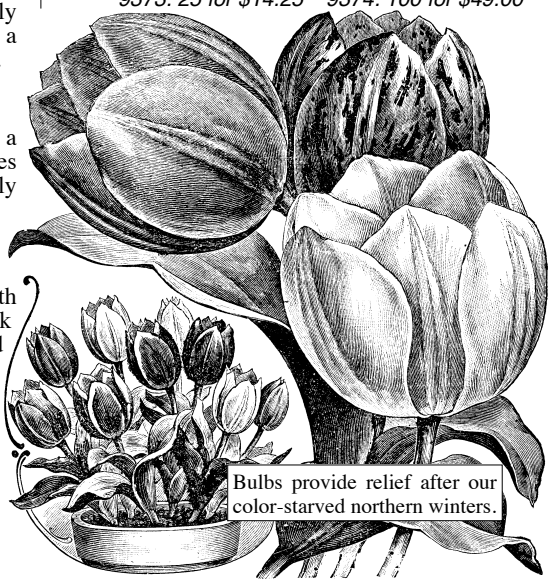
*9351: 5 for $3.75* *9352: 10 for $6.25*
*9353: 25 for $14.25* *9354: 100 for $49.00*

**'Maureen'** - Long marble-white blooms with pastel yellow undertones are stunning each year in our bed of forget-me-nots. Statuesque seedling of 'Mrs John T Scheepers'. Important variety in the cutflower trade. Tall, 24-28".

*9361: 5 for $3.90* *9362: 10 for $6.50*
*9363: 25 for $14.75* *9364: 100 for $50.00*

**'Menton'** - Medium pink with hints of violet and a subtle but distinctive apricot edge, and salmon on the inside. Stands tall at 24-28".

*9371: 5 for $3.75* *9372: 10 for $6.25*
*9373: 25 for $14.25* *9374: 100 for $49.00*



Bulbs provide relief after our color-starved northern winters.

**'Mrs John T Scheepers'** - What ever happened to Rose Heywood? Her name got buried with her marriage to "the Tulip King," one of the early 20th-century Dutch-American breeders, but she lives on in what many consider the best yellow tulip ever produced. Rich luminous color with perfect form. Won her first award in 1930, and stands head and shoulders above all her neighbors. ✦¢✦

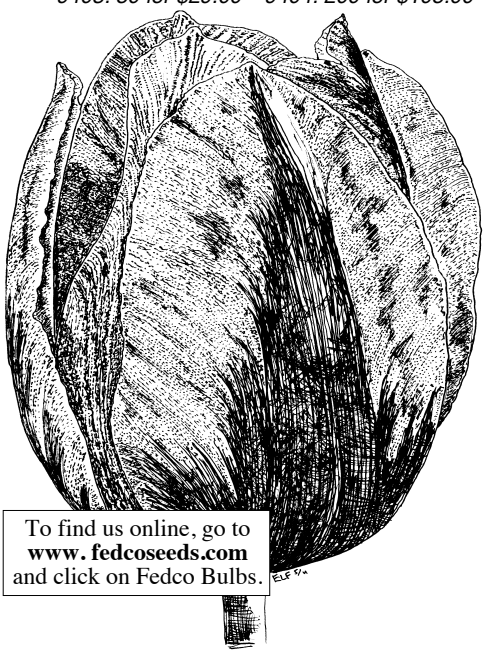
*9381: 5 for $3.25* *9382: 10 for $5.40*
*9383: 25 for $12.25* *9384: 100 for $43.00*

**'Queen of Night'** - Called black, really deep dark velvety purple-maroon with a hint of concord grape. 26-30".

*9391: 5 for $3.25* *9392: 10 for $5.40*
*9393: 25 for $12.25* *9394: 100 for $44.00*

**HooHaa Blend** - Hoo-Haa, as in "Whoa! Look at that!" 'Renown' (carmine red) and 'Recreado' (deep purple) with a touch of 'Queen of Night'. Glow for it. Astounding colors in a formula mix of topsize single late tulips.

*9401: 10 for $7.50* *9402: 20 for $12.75*
*9403: 50 for $29.00* *9404: 200 for $105.00*



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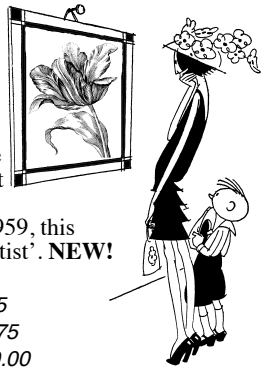
**Rembrandt-type Flaming Tulip Mix** - Broken-color and flamed tulips, originally the result of a virus, were wildly popular in the early 1600s. Propagating infected plants is now stringently restricted in Holland, but breeders have created varieties resembling those depicted in paintings by the Dutch masters. A mix of white, cream and yellow Single Late varieties, broken and flamed with shades of red and purple.

*9411: 5 for $4.50* *9412: 10 for $7.90*
*9413: 25 for $17.75* *9414: 100 for $65.00*

➢ **VIRIDIFLORA** or "Green Flower" tulips have a broad green flame up the petals. The color combinations are dramatic and beautiful in the border; the flowers are long-lasting, both in the garden and the vase. Especially rewarding as cutflowers in order to contemplate their complexity up close. People miss some wonderful cultivars when they let the word 'green' scare them away. LS.

**'Golden Artist'** - A stunning study in yellow-gold, orange-red and spring green on a relatively short 14" easel. The Viridifloras are so expressive and exquisite, one must indulge. Why not today? Registered in 1959, this beauty is a sport of 'Artist'. **NEW!**



*9421: 5 for $4.90*
*9422: 10 for $8.25*
*9423: 25 for $18.75*
*9424: 100 for $70.00*

**'Groenland'** - Soft dusty rose-pink with hints of cream offset by soft green. A long-lived perennial. 18-20".

*9431: 5 for $4.90* *9432: 10 for $8.25*
*9433: 25 for $18.75* *9434: 100 for $69.00*

**Green Flame Mix** - 4 or more viridiflora tulips for a green-flamed flower bouquet, for your late-spring delight. 18-24" LS.

*9441: 5 for $4.50* *9442: 10 for $7.90*
*9443: 25 for $17.75* *9444: 100 for $65.00*

➢ **LILY-FLOWERED** tulips have elegant pointed petals reflexed from a slender "waist" and long thin sturdy stems. Appearance is similar to the Ottoman tulips of the 18th century, but all were bred in the 20th. Striking and graceful in the garden or vase. 18-24", MS-LS.

**'Ballerina'** - Shimmering long-lasting tangerine blooms lightly touched with crimson and lemon. Incredibly lovely. Sweet scent around dusk reminds me of my grandmother's lipstick.

*9451: 5 for $3.50* *9452: 10 for $5.75*
*9453: 25 for $13.50* *9454: 100 for $47.00*

**'White Triumphator'** - Opens creamy, then becomes a true white. Registered in 1942, this heirloom is still considered one of the very best forms. Long-lasting bloom, almost 3 weeks one warm wet spring. ✦¢✦

*9461: 5 for $3.50* *9462: 10 for $5.75*
*9463: 25 for $13.50* *9464: 100 for $46.00*

**Lily-Flowering Mix** - Graceful elegance in the above colors and more, for an eye-catching rainbow effect. 18-24".

*9471: 5 for $3.75* *9472: 10 for $6.25*
*9473: 25 for $14.25* *9474: 100 for $48.00*

➢ **FRINGED** tulips have exotic long-lasting blooms with a finely cut crystalline fringe. Cultivated since 1925 when the first one appeared. Also known as Crispa tulips. LS.

**'Burgundy Lace'** - Deep rose red with pink undertones and a lighter fringe. Good long-lasting perennial. 24-26".

*9481: 5 for $3.75* *9482: 10 for $6.25*
*9483: 25 for $14.25* *9484: 100 for $49.00*

➢ **PARROT** tulips have unruly fringed and scalloped petal edges, very showy—some would say wild. Name comes from the flower in bud, said to resemble a parrot's beak. Large blooms need room and weather protection. Wonderful cutflowers that really fill up the vase. LS.

**'Black Parrot'** - Deep dark indigo and violet. Iridesces stunningly in the sunlight. 16-20".

*9491: 5 for $5.40* *9492: 10 for $9.00*
*9493: 25 for $21.50* *9494: 100 for $77.00*

**'Bright Parrot'** - Glistening fire-engine red with bright lemon-yellow coloring the petal edge in the familiar undulating parrot style. 12-14". LS. **NEW!**

*9501: 5 for $3.90* *9502: 10 for $6.50*
*9503: 25 for $14.60* *9504: 100 for $49.00*

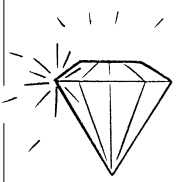
**'Rococo'** - Carmine red with ruffled petal borders, central ribs warmly splashed in shades of green and plum. From 'Coleur Cardinal' and quite delicious. 12-14". ✦¢✦

*9511: 5 for $3.60* *9512: 10 for $6.10*
*9513: 25 for $14.20*
*9514: 100 for $48.00*

➢ **DOUBLE LATE** tulips have a fully doubled, ruffled appearance similar to peonies. Very fashionable in the mid 17th century, considered too flamboyant in the mid 20th, now enjoying a renewed popularity. Wonderful in beds, borders and vases. 12-18", LS.

**'Angelique'** - Shades of pale pink with lighter edges. Fragrant and delicate beauty is also good for forcing.

*9521: 5 for $3.75* *9522: 10 for $6.25*
*9523: 25 for $14.25* *9524: 100 for $47.00*



**'Blue Diamond'** - Deep violet blue. Large beautifully formed flower, chock full of petals.

*9531: 5 for $3.75*
*9532: 10 for $6.25*
*9533: 25 for $14.25*
*9534: 100 for $48.00*

**'Freeman'** - A sweet mix of pastel pink and yellow with a few flames of spring green on the outer petals, opening to vibrant yellow inside. Joanna loves these in a vase. 18". M-LS. **NEW!**

*9541: 5 for $3.90* *9542: 10 for $6.50*
*9543: 25 for $14.50* *9544: 100 for $49.00*

**'Mount Tacoma'** - Pure white. One of the fullest doubles and a great complement to just about anything.

*9551: 5 for $4.50* *9552: 10 for $7.90*
*9553: 25 for $17.75* *9554: 100 for $65.00*

**'Sunlover'** - Magnificent fully doubled golden-yellow blooms with myriad red highlights, making for an orange glow in the late spring garden. 16-18", LS.

*9561: 5 for $4.40* *9562: 10 for $7.70*
*9563: 25 for $17.50* *9564: 100 for $64.00*

**Peony Double Mix** - Packs petal power in a dramatic range of colors. Solids, bicolors, blushes, brushes and flames for your cutting garden and vase. 6-8 varieties.

*9571: 10 for $6.50*
*9572: 20 for $10.75*
*9573: 50 for $25.50*
*9574: 200 for $93.00*

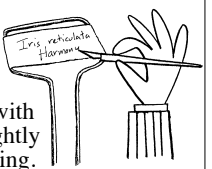
**Discounts on orders** received by August 12, 2011: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

## Bulb Fertilizer

Our own blend of slow-release fertilizers, 5-5-4 percent by weight plus trace minerals for long-term availability: non-GMO soybean meal, rock phosphate, K-mag (langbeinite), greensand and kelp meal. Immediate availability percentage is 3.0-2.6-2.2. Permitted on MOFGA-certified organic farms. No animal by-products means no dogs or skunks will be digging up your bulbs. Use 1-2 tsp per bulb mixed into loosened soil below planting depth, or 5# per 40-50 sq. ft. as a topdressing after planting and again each spring.

*9581: 5# for $6.50* *9582: 10# for $11.00*
*9583: 20# for $19.00* *9584: 50# for $38.00*

## Plant Markers



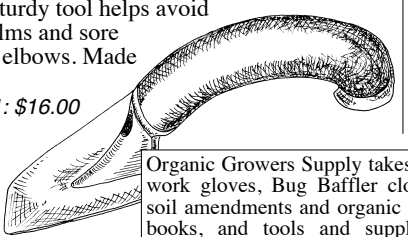

Zinc-coated nameplates on galvanized steel wire provide long-term outdoor labeling. Cap-style marker is 10 1/2" tall with a 7/8 x 2 1/4" nameplate, tilted slightly backward to provide easy viewing. Mark with included soft carbon pencil or with grease pencil for erasability, or with hard pencil or ball-point pen for permanent embossed label.

*9591: 10 for $7.75* *9592: 25 for $14.50*
*9593: 50 for $28.75* *9594: 100 for $51.50*

## Hand Tools for planting fall bulbs.

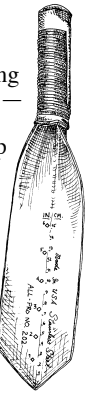
**Radius Ergonomic Tranplanter** - 14 3/4" long, 2 3/4" wide trowel made from lightweight cast aluminum–magnesium alloy. Cushioned foam-covered curved handle directs the power of your hand and arm efficiently. Ergonomically designed sturdy tool helps avoid bruised palms and sore wrists and elbows. Made in China.

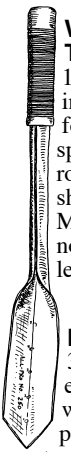
*9601: $16.00*



**Wilcox Planting Trowel** 14" sturdy trowel made by Wilcox Tool in Iowa. 9" stainless steel blade—designed for stabbing the ground in less-manicured garden beds—is 3" wide, shaped in a shallow 'V' and engraved with a depth guide. Red non-slip handle with finger grips. Has become Diana's and my favorite on-your-knees garden tool. Made in U.S.

*9611: $17.00*



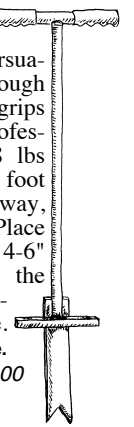


**Wilcox Long-Handled Digging Trowel** 18". Similar to the Wilcox 14" planting trowel, but the extra 4" in length gives you more leverage for digging up the toughest roadside specimen or the most recalcitrant rocks. Narrower (2") pointed blade with same shallow V shape and engraved depth guide. Made of formed stainless steel with 6" red non-slip finger-friendly formed grip and leather wrist thong. Made in U.S.

*9621: $19.00*

**Long-Handled Naturalizing Tool** A 3x8" tempered steel blade is beveled, sharpened and notched at the business end, and welded to a shaft of 1"-steel pipe. A foot bar welded to the top of the blade provides the "persuasion" often necessary to bust into rough terrain. A 12" T-handle with plastic grips completes the ensemble. Lifetime professional tool weighs approximately 8 lbs and is 38" long overall. Step on the foot bar to sink the blade, push handle away, pull the bar back to open the hole. Place bulb in hole at proper depth, move 4-6" forward to next spot and repeat the process which will help close the previous hole. **Made in Maine.**

*9631: $55.00*



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